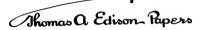
CENTIMETERS



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A SELECTIVE MICROFILM EDITION PART V (1911–1919)

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Thomas A. Edison Papers

Rutgers, The State University of New Jersey endorsed by National Historical Publications and Records Commission 18 June 1981

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The original documents in this edition are from the archives at the Edison National Historic Site at West Orange, New Jersey.

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EDISON GENERAL FILE SERIES

1911

Edison General File Series 1911. Battery, Storage - Foreign - Bergmann, Sigmund (E-11-21)

This folder contains correspondence and other documents relating to the commercial development of Edison's alkaline storage battery in Germany and Austria-Hungary under the auspices of Sigmund Bergmann, head of the failing Deutsche Edison-Akkumulatoren-Co. in Berlin. Among the items for 1911 is a 24-page synopsis of events and agreements regarding the manufacture, sale, and organization of Edison's storage battery interests, through the German concern, during the period December 1903-May 1911. Also included are documents pertaining to an inspection of the German factory conducted by A.J. Doty of the Edison Storage Battery Co.; the resignation of H. H. Meno Kammerhoff and his subsequent employment by the Edison Storage Battery Co. in West Orange; Edison's visit to Germany in 1911; and his controversial opinions about German industry and business integrity. In addition to Edison and Bergmann, the correspondents include Emil Rathenau of Allgemeine Elektricitäts-Gesellschaft; electrical engineer, illuminating company executive, and longtime Edison associate Charles L. Edgar; and electrical importer and Edison associate Philip H. Klein. Jr.

Approximately 90 percent of the documents have been selected. The unselected material consists of unsolicited correspondence and duplicates of selected items.



MACHINE DEPARTMENT

In uply please quote

Bnn/WH

Thomas A. Edison Esq., Llewellyn Park. 7M 50 A11

Orange.

My dear Edison.

The time has now come when I can go no further with the Deuteche Edison Co., and I am at the end of my tether. Kammerhoff has resigned, as he has also given up all hope of ever being able to make a success of the concern over here.

We have been compelled to spend our time making nickle oxide, as what taken contracts for the supply of old cells which had to be fulfilled, and we have not even yet finished with them. The new battery requires much capital, and we have reached our limit of three millions without any prespect of obtaining more, as our stockholders have refused to put any more money into the undertaking.

You will have seen from our last Balance Sheet how we have invested the money, and what is the tangible value of what is left. The buildings and ground, of course, have the same value as when they -2-

Thomas A. Edison Esq., Orange.

were first bought, and represent about \$ 300,000... The rest has been spent in manufacturing, toole, machinery, and a good deal has been ewallowed up in the loss we have incurred through having to keep the plant going. Rogers can report to you as to the condition of the tools and plant, and I wish you would let me know what you think would be best to do with it.

Unless you help us, the only thing for us to do is to.

liquidate and shut down the factory, sell out, and just save that we can. Have you any idea whether this whole plant could be seld out-right to your English friends? Or do you yourself feel inclined to found a new Company in Germany, for the purpose of pushing your battery all over the whole Continent, taking over the plant, including toole for the new battery for certain outputs, which we have nearly finished, but which it cearcely seems worth while to complete, as we are not in a position to complete with the Leadhattery.

In the latter case, of course, I shall be only too glad to help you all I possibly can, but, although I have kept up my courage until now, I see mo way out of the difficulty, and am going to quit making batteries. It certainly seems a great pity that, after the last eix years' hard struggle and work, we have come to this result, and I of course did not for one moment expect, when I took over the contract with you, that matters would end like this. In any case, I can comfort myself with the thought that I and my colleagues are in no way to blame for the present state of affairs, as we have all along spared

- 5-

Thomas A. Edison Esq., Orange.

no effort and money to make this undertaking a good commercial success, but our task was like that of shovelling mud against the tide.

This continual struggle and worry has made me haggard and grey, and I am tired of it, as this is the first time in all my career that I have undertaken anything that I did not bring to a successful issue; but I do not care so much about this, my first failure - for I went into this matter with my eyse wide open, when you first proposed it to me, and am prepared to bear the consequences as far as I personally am concerned - as about the responsibility I took over when I recommended this undertaking to my friends.

Mind, I do not intend this to be a fault-finding letter - as stated above, I am prepared to bear the consequences of my own action but I do wish you would let me know openly whether you can suggest any solution of the difficulty, otherwise nothing remains for us to do but to shut down. I shall be glad to consider any proposal you have to make. Ferhape, as I understand you are increasing your plant continually, you would be willing to take over this plant in its entirety, and it would then be no trouble to ship it to America. As I said before, Rogers can give you details as to the condition of the plant.

please let me hear from you by return of mail, for the matter is most urgent.

Bu

Form. 885 IL 8. 09.

Bat-Ornaharry. but this compital at interest get a good Delling Manager They Dean Bengmanin and only sell butteries, 9 can furnish them from America I could do nothing with only the battery in Energe because & pot about as cheap as you Could not goe truy personal Could myr - It is a mistake altertion which is a prime recessity to thenk you can manuface un a proncering untention like This things of this Kind in Jerm any cheaper or as cheap as we can here, where inventions have to be constantly mude a cohere a singly device On the spur of the moment might do away at one strake my advice would be to keep your Co up do not liquidate with so men the mare differm Stop rufg-sell your property un Wages amounts to nothing - We are gradually getting in good bhape

here, and hope to crecal up with our orders before If your Co does only a selling Chaines + have batterness oping, we are 10000 cells shapped from here it Gehand - The Cheapening would take no programmico go ou confi In time, we shace make rich + its prafet would The batterus very cheng -GE Known= Ving good = There is a quest favorbly some afyour jigo here as people are funding you colot they Cost 9 out the cost of separa efter will see Rogers about that 2 or 3 you use of the que Can & its unreliable Make up your mind Birgueur Exerces charffer not to give up the ballery that The second second Y have an order from the Us goot for a large call Certiny for Dubmanne Because it has faded in who don't signify that it would fail in waking a good with a promise that of of we get them all -

selling batta supplied from Amer I feel absolutely certain that I can down the Lead Gollen



MACHINE DEPARTMENT

She seply please quote Bnn/WH

Confidential.

MAR 17 BIRW (II

orange. New Jersey.

My dear Edison.

I have yours of January 21st, and, as you wrote me that you would talk to Rogers about taking over our tools and jigs, I have waited until now for a proposal from you in this matter, but, as you have not written, I thought it better to answer your letter, because, as I wrote you before, we cannot go along any longer as we are doing.

I am somewhat surprised that you should write me that it is not advisable to manufacture in Europe at all, but that it would be Of course, this all decheaper to buy the cells from you direct. pends on the price you will quote us. Please, therefore, send me prices for all the cells you now have on the market immediately on

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

-2-

Thomas A. Edison Esq., Orange.

receipt of this letter, together with the guarantees which I can give purchasers.

Up to now, I havebeen constantly under the impression that the only way to obtain the cells cheaply in Europe and to make some money would be to manufacture in Germany, and, perhaps, later, in England or France. As you will recollegt, I hesitated to go ahead with the expensive machinery for filling, and the chief plant, etc., until you wrote me that you could not supply me with the plates, as per your letter of June 21st, 1910, in which it is stated that I should make the flakes far cheaper here than you could do.

I should, of course, be only too glad if I could see my way clear to work under better conditions. Before, however, I stop manufacturing entirely, I must have an answer from you to the most important question: Will you be able to deliver sufficient cells in due time, inspite of your being 10,000 cells behind your orders (as you have written me), and, if so, at what price can you sell us same and batteries f.o.b. New York, including packing?

With regard to the small cells for lighting, sparking etc., your Company writes me in a letter of February 10th of this year that it will be impossible to fill our orders for positive plates for some 300 cells, type 34 before a long time, because you are a thousand of these small cells behind. Our order was placed as early as September 1910, and we have not yet received a single plate. We havehaked

-3-

Thomas A. Edison Esq. Orange.

you again and again to send us some, but without any result.

If I show of the street any cells from you, it would only be a very short time before we should have, not only to liquidate but also to go into bankruptcy; it would practically mean going from fire into hell.

The Italian Navy is positively prepared to give us an order for 610 big cells of a capacity of 4550 ampere hours. As soon as the tube cells which we sent down for a trial this month have been tested, and there is no doubt they will prove satisfactory, then we are sure to get the order. We shall then need two million tubes. Please, therefore, let me know at once whether you can furnish us these tubes, as we cannot possibly produce them curselves, as we have not the necessary facilities even for a much smaller quantity of s ame. Please also write me what they will cost. The price you have given us for the small quantity you have sent so far is much too high, and no doubt you can do better if you get such a big order.

As there will be a meeting of our Shareholders next month, I shall be obliged to explain the present situation fully, and show the Stockholders, especially the Deutsche Rank, how matters stand; and unless I show them that I can accept your offer in buying batteries from you and keep the Company alive, they will force me to shut down, liquidate, and get out of business. Please, therefore, let me know by return what tools and jige and special machinery you can take off my hands, and I can them make you a price for the same. What you can take over is, I think, all the punches, dies, the flat pocket

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

-4-

Thomas A. Edison Bsq., Orange.

filling machines, the few tube-filling mchines which we have, the tube-drawing machine, the rollier for perforating the stock, the canning machines, the rolling apparatus, the perforated etrip plating machines, and the drums for flake plating. All thesec, I am sure, you can use, and Rogers can tell you that they are all very carefully made.

Your suggestion to shut down and only sell the batteries strikes me very favourably, only we have to be sure, as I said above, that you can furnish the cells we cell here at such prices as will enable us to sell them and still make a little profit.

I assure you once more that the situation is very procarious and is becoming very uncomfortable for me personally, and it must be decided definitely one way or the other at once, as I cannot pasify the people interested in this concern any longer.

facerely yours,

ELECTRICAL ...

N. Y. March 13 / 11

Mr. T. A. Edison

Orange. N.J.

Dear Sir:

orange, a.s.:

| 11 3 | Aux 3 | W | I would like to have a few minutes conversation with you on a subject in which Mr. Bergmann is interested and about which he has written me that perhaps you can put him on the righet track.

I will therefore be obliged if you will let me know by mail or by telephone when I may call on you about this matter and meanwhile remain,

Yours very trul;

Come of the server of the serv



My dear Edison.

Mr. Doddy has now been here for some time, investigating
the plant of the Edison Accumulatoren-Co., and I think we have shown
him that, as weltand at present, we cannot go on any longer.

I wish, therefore, you would make us a proposition, as to how we can get out of this dilemma. I and our shareholders are of course willing to lose a certain amount of our investment, as it is only a question of whether you will help us, or whether we shut down.

I have given Mr. Doddy a list of tools and machinery which are available, and which you, or any concern who is willing to manufacture these batteries, can use, and Mr. Rogers can check and corroborate this list, as he also knows exactly what the condition of the whole plant is. -9-

Thomas A. Edison Esq., Orange.

We have had an open talk with Mr. Doddy, and he can report to you exactly how matters stand.

As far as I myself am concerned, and I think the shareholders of the Deutschs-Edison will agree with me in this, I have no objection to your taking over this plant yourself, or to anyone else, whom you may designate, doing so. At all events, we all want to get out of this, and, as I have written you before, I cannot pacify the shareholders any longer. I have been pacifying hhem now for the last six years, and they claim that neither you nor I have fulfilled our promises.

I think that you and Mr. Doddy, who now understands the whole situation thoroughly, together can form a plan to make our Company some proposal.

The total loss so far on the whole capital is \$ 275,000 --, and the available assets, special machinery, tools, and special plant, are \$ 116,000 -- This only includes the special building which had to be put up for the chemical plant, but not the ordinary factory buildings and the ground, the value of which you can sae from the Statement and Balance Sheet which we send you werry year.

All the \$ 750,000.- has been paid in, as you will see, with the exception of 15%.

Now, Edison, I wish you would take this up in earnest and help me to get out of this dilemma as soon as possible, as nobody wants to put any more money into the concern, and, if you do not help me, it -3-

Thomas A. Edison Esq., Llewellyn Park, Orange.

means simply shutting down and a bigger loss than if we could come to some solution of the difficulty quickly, and do something one way or the other, for the plant is worth more in operation than if it is shut down, even if only for a short time.

I, of course, should have shut down long ago, if it had not been that I was still hoping that we should be able to pull through, and if it had not been for your and my reputations, as this is really the first time in my life that I have undertaken anything which I did not bring to a successful issue.

As you are aware, my concern (not the Deutsche Edison Co.), took up the manufacture of automobiles for the purpose of introducing the Edison hattery on to the market. This, of course, goes the comjunction with the battery business, and, if no more batteries are made, mo more electric care will be built.

I am, therefore, mending you a complete set of the drawings of the constructions of them electromobiles, which I think are superior to anything you have over there. You can make use of these drawings freely at your own will, and in fact, if you wish it, I can also send you patterns for same, as soon as I have collected them from the Poundry and fixed them up, and you can also use these without any expense to yourself.

We have altogether built about one hundred of these waggons.

With regard to the big battery for submarines, Mr. Doddy has
seen the first two cells, and will bring photos and data with him.

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

-4-

Thomas A. Edison Esq., Orange.

The two cells which we have built are, as I have already written you, intended for the Italian Mary, and, if we are successful in obtaining the order I mentioned in my last letter, webust see if you can perhaps or the Italian Mary furnish us, with the cell direct.

Hoping to hear from you by return of post, I am,

Signam,

Form. 886 IL & OA

SS cymry SBergmann Esg [Macin 24, 191]

23-32 Ondenarder Sto

Berlin N.

Germany

My Dean Bergman

Perhaps you better have Kline Come over and see what we are doing in battery - today we are 12000 Cells behind orders

notwithstanding an cape is make 365 Cells per day - by april

15th we will turn out 500 cells der day and I am making machiner to run it up to 2000 Cells, This

to no romance Kline can verify
We are veplacing lead batteries
was at 800 what the same people

Can buy the few orth 210,

Lead Felicon There is no use

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reduce as we are constantly unproved thete as well Experimenting to reducaas methods a dies that Costi = They would not work in Making these luber here will dequire a very considerable ned sustem = moestimetal of money on my Us to shipping Completed part should your orders Cells uniteral fax tubes of reach large proportions, pockets, We controved Supply a Cemital much If you bery tubes apockets The more of working the with such times as our Capacity w got to 1000 cca work in the German Lackon daly bother will be would be a more utilling . about August I have talked to Rogers The says we could not use the took on machinas you have as our machine have been so constaully

[ATTACHMENT/ENCLOSURE]

March 24, 1911.

S. Bergmann, Esq., 23-32 Oudenarder Str., Berlin, N., Germany.

My dear Bergmann:

Perhaps you had better have Kline come over and see what we are doing in the battery. To-day we are 12,000 cells behind orders, notwithstanding we make 365 cells por day. By April 15th we will turn out 500 cells per day. and I am making machinery to run it up to 2,000 cells. This is no remance; Kline can verify. We are replacing lead batteries at \$800.00 when the same people can buy the lead at \$210.00 and these peeple have used both lead and Edisen. There is no use giving you the reasons why they do so; it would take too long. Porhaps I could sum it up in the remark made by the Superintendent of Hearn & Co. that "A few hundred dollars more or less price between two types of battery was ef no omnsequence to them if they got reliability and mileage, which they did with the Edison battery, and he believed that the Edison battery was much cheaper in the end then a lead battory any way."

How Bergmann, I think I had better not advice you what to do in connection with the German battery situation, because I do not know all the conditions.

I have not changed my mind in the slightest particu-

[ATTACHMENT/ENCLOSURE]

S. Bergmann- 2.

lar as to the future of the battory -- its use will be enormous.

I have sent you colls and tubes, lithia, etc., to help you out, but Kline will learn that we had to do it by withholding shipments to others.

I have had figures gotten out so as to make you a price on iron pockets and nickel tubes, which is the most difficult part of the whole business.

By not charging any overhead expenses, I could chip weekly, if taken in quantity, at the following prices:

Tubes complete, A4 type, \$43.20 per thousand,
Iron Pockets complete, A4 type, \$15.35 per thousand.
Those prices include royalty, f.o.b. Factory Orange,
packing extra.

At these prices I only charge repairs on tools, depreciation on tools and interest, labor and material, to which I add 12% profit--ne general expense. In time we will probably be able to materially reduce, as we are constantly experienting to reduce costs.

Making those tubes here will require a very considerable investment of money on my part, should your orders reach large proportions.

If you buy tubes and pockets, the work in the German factory would be a more nothing.

I have talked to Rogers and he says we could not use the tools or machines you have, as our machines have been so constantly improved, as well as methods and dies, that they would not work in our system.

[ATTACHMENT/ENCLOSURE]

S. Bergmann- 3.

As to shipping completed cells instead of tubes and pockets, we would supply a limited number until such times as our capacity is brought to 1000 cells daily, which will be about August.

Yours very truly,

dem question to talk shout with Mr. Billook.

- 1.) ten_company in Europe to get all rights for the different constraint.
- 2.) Main place for manufacturing, 1.0. Commey or Suglant.
- 5.) In case terminy to choosen, chall manufacturing in Inglandtake place on far as protection of pubecta demands ?
- 4.) Is tadfo anything to do in regard to potents in France or other countries?
- 5.) Her for shall summinstoring to correct on Lot. Will Mr. Here Stein deliver Stein taken
- 6.) Juntour people are efforing Alcaline-cells in Help, Can applies to dem; to other than the Juntour people fronting under the many H y a galantator distribution Juntour (A. J. A. A. W. W. M. Charles
- 7.) edito-people de the case in Seaste. Stary perhaps use rights and general of the Sticement/Marco entate the domain Subset So. Start of Line Increality in Starts and State in Levillate@General(Seast) (Palent for held!).

Berlin 29.11.1911.

POSTAL TELECRAPH - COMMERCIAL CABLES

TELEGRAM

TELEGRAM

April 18-11

Change of 2 collegeth

Change of 2 colleget

Timpelon were I had some but mindans 't I have sent My Dear Ber to Howell of Lamp Co for more a as econico ecad Iwassary to hear that you Could raface your way clear to use tubes ago along will mail it seto you. Own ballon sales are meres Rogers has gove over the Took Very rapidly. for the last weeks today The following are The only ones the can titlige and by dollars perday put a price on Flace the duties are I believe 45% this maken Now Ecr it deffecult to buy more I have told him to figure out ywe could buy some af the parts where Laker is Kline was over to get some

[ATTACHMENT/ENCLOSURE]

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20

1 NY N 79 Collect CB New York Apl 84-Thos A Edison ,

Orange NJ

Midson Hew York wire when tait you send answer to my letter March 23rd is very urgent am now positively compelled to give up March 23rd is very urgent am now positively compelled to give up the control of the control little longer.

Bergmann Berlin

BS. Bargmonn

TELEPHONE,

FOREIGN DEPARTMENT

NATIONAL PHONOGRAPH CO. EDISON MANUFACTURING CO. BATES MANUFACTURING CO.

FACTORIES:

ORANGE, NEW JERSEY.

Orange; N. J. U.S.A. 2012 24-1912.

Hr. H. F. Hiller,

Laboratory.

Dear Sir: --

In accordance with your instructions, I have forwarded the follow-

ing oable to Mr. Borgmanni-

Edisoncell.

Borlin.

Borgmann: - The prices quoted on tubes are the lowest possible; leaves little or no profit. We got hundred twenty five dollars kilowatt hour three hour rate for submarines eighth inch tubes."

(Symul) Estimate

You will note the first sentence has been slightly changed, in order to code

the message, but I am sure the sonse has not in any way been destroyed.

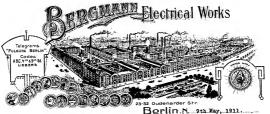
I return to you ir. Bergmann's cable addressed to Er. Edison.

Yours very truly,

enc-

T.VR





MACHINE DEPARTMENT

In reply please quote
Bnn/WH

H. J. Miller Baq.,

The Laboratory of Thomas A. Edison,

Orange.

New Jersey.

Dear Sir,

I am in receipt of your favour of the 27th ult., and am pleased to note that Mr. Edison is having some samples of tungsten wire sent me.

I would ask you to convey my best thanks to Mr. Edison for same, andremain,

Yours faithfully,

legmann.



MACHINE DEPARTMENT

In cepty please quali

Bnn/WH F.Nat. J. B. 621. Per 45 811

My dear Edison,

I enclose you herewith synopsis of the whole history of the Deutsche Edison Company, with the short-comings, contradictions, and non-fulfilments of promises which you have made during the last six years. This summary has been asked for by the Executive Committee and principle Shareholders of the Deutsche Edison Company, and has been drawn up by Mr. Kammerhoff.

Now, Edison, if you really meanto help me out of this scrape, you must do so at once, as I am placed in a very ugly position. As you are no doubt aware, I have exchanged the following telegrams with Mr. Doty, who, I presume, is your representative and is acting in your names:-

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

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From Doty

26.4. Favourable prospects.
Purchase proposal Saturday - Doty

3.5. \$ 10000, now \$ 90000, poseession 60 days - Doty

5.5. Propose purchase capital stock company name price - Doty.

To Doty.

- Have not received purchase proposal. Our Stockholders want to take final steps. Anewer by calle - Edisoncell
- 4.5. Refer to your cablegram
 3rd. Can read your telegram by code, but do not
 understand it. What do
 you expect be buy for
 100 000 Doll.? Edisoncell.
- 9.5. We have invested \$ 750.000 including all property and whole plant, Are willing to lose \$ 250.000 and turm over whole capital stock of \$ 750,000, subject to approval of betsehe Bank. Make a definite offer for my negociations.

Unfortunately, I have not yet received a mpty to this last telegram, and, until I do so, my hands are naturally utterly tied, as I have no definite proposal to lay before my Shareholders. I trust, therefore, that this reply will soon come to hand, as the position here is becoming more serious svery day. Ima not the man to squeel; but it is not so much for my own loss that I am fighting now - although I am not so rich as to be able to bear such losses with equaninity - but it is more for the Shareholders and for your and my reputations in the eyes of the Deutsche Bank and their asseigtes and other influential people over here.

You no doubt remember, when I returned to Germany from America in 1904, with the scheme for ctarting an Edison Rattery Company over here, that it was only on the strength of the figuree you gave me in your own handwriting that I was able to persuade the Deuteche Bank and

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others to come in and form this Company. Your estimate of the cost and profits of the battery and its manufacture reads as follows:-

"I figure out the profits which the German Cow will in all "probability make -

"If the factory makes 300 cells (18 plate) per day, costing we will say \$ 6.-- per cell and selling for \$ 10.--, which is

"the price we sell in America, the gross profit for one year "of 300 days should be \$360 000.-- Deducting the royalty

*of 60 cents per cell, amounting to \$ 54 000., there remains

"\$ 306,00. Deducting six per cent dividend to the Shareholders on the capital, which is \$ 45 000., there remains \$ 261 000.,

*One third of this amount going to German Co. is \$ 87 000.-

"Therefore the gross profit to German Co. is

\$132,000 --

Proportion of Surplus profits\$174,000 --

\$ 219,000 --

wor approximately 29% on the Capital Stock.

Thos. A. Edison.

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I am sending you this just in case you should not have a copy by you, and should have forgotten to what an enomous extent you raised our house at the time.

You will doubtlees also remember that, beyond the money I am losing on this Deutscho Edison Storage Battery Company, there is also \$ 40,000.co to \$ 50,000.co which I paid you and Mr. Dick for the interests I hold in the European Patent Company, which has also, up to the present, been a complete failure. I have never mentioned this deal to you since, nor have I ever heard a work more garding came, or any result of the investment.

Now, Edicon, I am very corry to have to bother and worry you, but, as I have written you before, I do not know what to do, so I sincerely hope you will see your way clear to help me out of this hole. As I know that you are a firm believer in your battery, and as, in fact, I am myself oure that you will in the end come out on top, you must curely be able to make use of our plant here; the property and buildings I can possibly dispose of, even at somewhat leadthan the original cost, if you or your party do not want to carry on manufacturing over here.

Will you please telegraph me immediately oh receipt of this letter what you can do, or that you will send somebody over at once, with your instructions and with power to settle this matter up, and I should be very thankful to you and not forget that you have helped me out of this scrape.

> Yours sincerely, Negmann.

1.5. Joseph Summy 5/3/1

Summary

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Correspondence and Verbal Negociations with Mr. Edison before and after the formation of the Deutsche Edison Akkumulatoren-Company, C.m.b.H.

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Mr. Edison wrote to Mr. Rergmann on December 7th, 1903, that the last, and, at the same time, the worst existing difficulty had been overcome. The machines for filling the pockets had been put into operation on the day the letter was dated, and in the following week it would be possible to proceed, with the conviction that everything was in best order, and that every defect in the battery had been removed.

In the meantime, up to the summer of 1904, verbal negociations took place between Mr. Bergmann and Mr. Edison, the result of which was that Mr. Edison authorised Mr. Bergmann, by letter dated September 30th, 1904, to form a Company in Germany to manufacture the Edison battery and exploit the patents in that country. This authorisation was to the effect that Mr. Bergmann should start the German Company within seven months, dating from September 50th. Mr. Edison detailed the general terms and the style of contract he would be willing to make with the German Company. At the same time, Mr. Edison remarked in his letter of September 30th, 1904 that he was in a position to supply the active material for a cell of 115 ampère houre, i.e., type <u>H 18</u>, for <u>S 1400 e M</u>, 5.46, and that he expected in a short time to be able to reduce this cost.

Based on the above-mentioned price, the corresponding price for the standard cell type H 27 made later in Germany would amount to <u>H</u>, <u>S.12</u>. In addition, Nr. Edison remarked that he would be prepared to supply the active material to the German Company at 25% above manufacturing cost, and for as long a period until the German Company should be in a position to manufacture the active material themselves.

In a letter of the next day, in his own handwriting, dated October 1st, 1904, Mr. Edison expressed in detail his expectations with regard to the prosperity of the German undertaking.

This letter reads as follows:

"Bergmann:

I figure out the profits which the German Co. will "in all probability make

"If the factory makes 300 cells (18 plate) per day
"costing we will say \$ 6. per cell and selling for
"\$ 10. which is the pricege sell in America, the
"gross profit for one year of 300 days should be
"\$ 360 000. Deducting the royalty of 60 cents
"per cell amounting to \$ 54 000., there remains
"\$ 306 000. Deducting six per cent dividend to the
"Stockholders on the capital which is \$ 45 000.,
"there remains \$ 261 000. One third of this
"amount going to German Co. is \$ 87 000."
"Therefore the gross profit to German Cc. is
6% dividend \$ 45,000

Proportion surplus profits \$ 87,000

*approximately 17% on the stock. In my opinion .

*the proposed capital is sufficient for a factory
*including chemical Works for mfg. 600 wells

*daily. In that came the surplus profits
*going to the Gorman Co. would be twice as great

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Dividend 6% \$ 45,000

Preportion of surplus profit ... \$ 174,000

\$ 219,000 ---

"or approximately 29% on the capital stock.

Thos. A. Edison."

The turnover mentioned in this letter corresponds to the manufacture of 200 and 400 cells respectively of the type H 27. Mr. Edison, therefore, assumed that, in all probability, the satimated results could be commercially obtained in Germany, and stated that a capital of <u>H. 3,000,000 ---</u> would suffice to obtain this and.

On the basis of this information, Mr. Bergmann was able to interest the Deutsche Bank, as well as Bank Director Fritz Outther, and other smaller Shareholders, sufficiently for the formation of a German Company, so that they declared their readiness to accept the agreement submitted by Mr. Reigen. In order to expedit@natters as much as possible, Mr. Bergmann had, in th@msantims, before the end of the year 1904, leased the factory and ground Drontheimerstrasse 35/38, which was later purchased, and at the sems time had commenced to instal machine tools and also to make the necessary tools for the manufacturage? the

The latter was possible after Mr. Edison had allowed the foreman engaged by Mr. Bergmann to study the manufacturing methods in the Shops in New Jersey.

Mr. Edison stated in letters dated November 28th and 29th, 1904, that, in the patteries made up to that time, serious defects had developed and that, in consequence, he felt compelled to step manufacturing the type B cell and to close down his Shops as far as the manufacture of further cells was concerned. The defects in question consisted mainly in leakage of the came, and, further, the capacity of the cells differed considerably, and also short-circuits occurred between the plates, but, in the opinion

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of Mr. Edison, these defects would be avoided in the improved type H cell, which was to be manufactured in Germany.

In a later letter, dated December 9th, 1904, Mr. Edison again reiterated that he did not propose to manufacture further batteries before the cause of the defects had been discovered, and removed, and, further, remarked that he expected every day to overcome the difficulties in question.

In a number of letters written between October up to the end of Desember 1904, Mr. Bergmann kept Mr. Edison continually informed that the factory in Germany was working on the preparation of the tools and that good progress was being made.

On January 11th, 1908, Mr. Edison wrote that he hoped to find the cause for the loselin capacity of individual cells shortly. He recommended that, for the time being, only the tools be made, but no cells manufactured, and expressed the opinion that the tools which were being made in accordance with drawings supplied by him would need no alteration, and that the new cell type H, as it would be manufactured in accordance with his wishes in Germany, would fulfil its;purpose.

On March 21st, 1905, Mr. Edison stated that he was having new patent applications worked out, and that all parts of the cell, se manufactured up to them, would remain unchanged, with the exception of the positive plates, which were being attered.

On January 25rd, 1905, Mr. Edison was requested by letter to send active material, in order to enable tests to be made with filling pockets. He replied, however, on March 28th, 1905, that he was not able to send active material, and that, apart from this, he would not do so, even if he could, as he wished to prevent similar mistakes also being made in Germany.

Naturally, as a result of this refusal on Mr. Edison's part to send active material for experimental purposes, it was impossible to proceed with despatch with the work in Germany. On April 19th, 1905, Mr. Edison wrote that he was making good progress with hie work, and that he hoped, in a few days, to report on the alterations that were necessary to the new cell.

At the same time, Mr. Edison again pointed out that he could not possibly send sotire material for the preparation of cells to Germany. In consequence, nothing further could be done but to await the development of affairs in America.

On June 22nd, 1905, everal gride and perforated stripe for making pockets were eent to Mr. Rdieon, in order to show him the progress that had been made with the tools in Germany. On July 26th, Mr. Rdieon wrote with regard to thete made at that time with the new type of cell, and pointed out that the cell was much stronger and had a longer life, as compared to the former cell type E. The cost of producing a cell of 150 ampère hours' capacity he eaid to be only M. 4 -- more than for the older type, having a capacity of 115 ampère hours. Mr. Edieon wrote further that the tools made in Germany celld he used without alteration for the manufacture of the new cell, and that it would only be necessary to make come additional tools.

The tests made in Germany went to show that the welding machines supplied by Mr. Edicon for welding the case were not up to the mark. In consequence, we adopted the accetelyne method of welding, which had considerable advantages as compared to the electric welding machines, so that the latter were discarded.

Further, the completion of the toole had advanced to such an extent that, in order not to stop work altogether, it was necessary to receive further particulars from Mr. Edison.

At the ease time, the patent action Edison werene Jungner had been definitely concluded by the declaration of invalidity of the fundamental patent of Jungner in Germany. It thus appeared necessary to take energetic steps to proceed with the manufacture

of the Edison battery in Wermany.

In consequence, Mr. Bergmann decided to go to America in February 1906, in order to convince himself personally what could be done in order to avoid further loss of time and money. On the eccacion of this vieit in America, it was evident that the production of the new type cell on a manufacturing scale was at that time not to be thought of. The machines for filling the round pockets used in the new cell were not complete, and many questions in connection with the tools required therefor etill unsettled. In view of Mr. Bergmann's remarks, Mr. Edison than decided to give his consent to the manufacture of the type H cell in Cermany. Upon this, the work still remaining to be done was hurried forward as fast as possible, and, in consequence, in August 1906, it was possible for the first time to prepars a schedule of the probable manufacturing costs in Germany.

Thie, however, went to show that they would be considerably higher than the manufacturing costs assumed by Mr. Edison in hie letter of october lat, 1904. The main cause of thie lay in the fact that Mr. Edison charged so much more for the material supplied by his chemical Works than he had assumed in the first inetance. He had assumed the price of M. 8.90 for active material for a cell H 27, while the amount actually charged by him was M. 16.32. On the other hand, it was not possible to cettle H. 63 -- as the selling price in Germany for the H 27 cell. although this would present no difficulty for American conditions, and, in consequence, we were very soon compelled to be content with a grees celling price of H. 45 -- for the H 27 cell. esquence, therearose a serious discrepancy between the manufacturing cost and the selling price, so that, owing to the high prices that had to be paid to Mr. Edicon for the active material, the manufacturing cost of the cell H 27 amounted to about H. 4 1 ---

There could, therefore, be no question of profit, but only of supplying the market to a limited degree with cells at a loss, in order not to keep the factory and its staff idle, and to lose time unclessly.

According to Mr. Edison's opinion, it had, further, to be taken into account that the new cell could be manufactured within a short time, so that conditions would then be considerably improved.

It was duly taken into consideration whether it would be possible to stop manufacturing in dermany altogether until the manufacture of the new cell could be taken up. Such a proceeding, however, did not appear opportune, as itwas to be feared that, in consequence, the regutation of the Edison battery in Europe would suffer to an irremediable extent.

On addressing Mr. Edison on the subject, he replied on October 26th, 1906, that he was well exers that the prices charged for active material were high, but that he could not alter this statepf affaire, as, owing to the Chemical Works not being fully occupied, the establishment charges were very high, but that, at a later date, considerable improvement might be expected in this respect.

On November 19th, 1906, Mr. Bergmann wrote to Mr. Edison that matters could not be continued in the present fashion, as this would simply mean ruin to the German Company. Mr. Bergmann pointed out that the setablishment charges were very high, and that sensething must be done in order to prevent further loss. Mr. Bergmann prepased that the German Company should take up the manufacture of electric care, in order to improve the situation. On December 5th, Mr. Edison, however, replied that he could not give his consent to the proposition that the German Company should take up the manufacture of other articles than batteries.

On December 15th, 1906, Mr. Bergmann wrote to Mr. Edison

acknowledging receipt of his letter declining to give his consent. Mr. Bergmann pointed out that, even if manufacturing were to be stopped, neverthelese heavy expenses would centinue. Mr. Bergman further asked whether Mr. Edison could not send particulars for making the tools for the new battery, in order that the staff and workmen of the German Company might be occupied, as they could notbe discharged. On April 27th, 1907, Mr. Bergmann informed Mr. Edison that he could not possibly wait any longer, and that he would, therefore, come to America, in order to negociate with Mr. Edison personally; and, further, that he would bring Mr. Kammerhoff with him, in order that the latter might study the details of the new cell on the spot. In connection with the investigations made in June and July in Orange, Mr . Edison then wrote on July 22nd, 1907, that he considered the new cell sufficiently advanced to advise us to commence manufacturing same slowly. In addition, Mr. Edison gave the German Company permission to sell hatteries everywhere in Europe and also in England, for the period of one year.

The actual manufacture of the new cell in the summer of 1907 was, however, out of the question, as meither the tools nor the special machines were sufficiently developed. At Mr. Edison's suggestion, on the other hand, the necessary tools for the new cell were taken in hand, and, in addition, the manufacture of the old type H cell was continued in order not to leave the factory and staff uncocupied until the new cell was ready for the market. In addition, it was arranged with Mr. Edison that he should send, as soon as possible, a tube-filling machine to Cermany, se that similar machines could be taken in hand on this side.

The plan to improve the unsatisfactory commercial position of the German Company by making descrite care in addition to the batteries could not be consummated, as Mr. Edison declined to rive his consent to such extra work being undertaken.

On October 15th, 1907, Mr. Bergmann enquired by telegram and by letter whether Mr. Edicon had despatched the filling machines. On October 29th, 1907, Mr. Edison replied that he had had a filling machine packed on the same day, and that he believed that he would be able to give Mr. Bergmann the order for making the necessary machines for a battery factory in England.

On January 8th, 1908, Mr. Rergmann wrote to Mr. Edison that he had asked several times for nickel flakes, but had not received them, and at the same time Mr. Rergmann acked for permiseion to be able to continue the cale of Edison batteries in Europe and England until shout December 31st, 1908, or longer.

On January 25rd 1908, Mr. Edison replied that Mr. Bergmann appeared to think that rapid progrees was being made in America. Mr. Edison said, however, that he had only just been in a position to erect the appearatus for preparing nickel flakes, and that it would, in consequence, take ten or fourteen days before he would be able to send several pounds of these flakes. On the other hand, however, he stated that a small sample would be sent at once.

On January 27th, 1908, Mr. Edicon wrote to Mr. Bergmannthat he had received a telegram in which Mr. Rergmann as ked for several sample cells of the new type with round pookets. Mr. Edicon remarked that he had not completed any new cells, and, further, did not know when they would be ready. As soon as the new type of cell, however, should be cufficiently advanced, he would send a sample to Germany, and believed that the first cell would be ready in shout four weeks.

On March 6th, 1908, Mr. Bergmann wrote to Mr. Gilmore that he had received no reply to hie letter to Mr. Edison dated January 8th, and that the illness of Mr. Edison at the time was doubtless the cause of this. Mr. Bergman requested Mr. Gilmore to approach Mr. Edison with a view to obtaining permission for the

German Compnay to sell batteries in the whole of Europe for a lengthy period. Mr. Bergmann pointed out that, in view of the high prices at which the eld type H cell had to be sold in Germany, it would never be possible to do a business in this in Germany alone. In this letter of March 6th, 1908, it is further recorded that up to December 31st 1907, 1344 cells type H 27 in all had been sold, and that a revalty of \$ 1223.04 due to Mr. Edison had been credited to him.

On July 17th, 1908, Mr. Bergmann sent Mr. Edison the new liste that had just been published, showing that the German Company, in addition to the electromobile cells type H 18, H 27, and H 45, was also making smaller cells type P 9, P 18, P 27, and O 18. Mr. Bergmann pointed out that, up to then, the turnover in standard electromobile cells type H 27 had been very small, as we were not in a position to reduce the prices sufficiently to meet competition. The letter further stated that a small experimental plant for active material, built according to the so-called "cla" process, had been completed and that yr. Bergmann had decided to increase this plant to such an extent that active material for about 50 cells H 27 per day could be made. It was further stated that we hopeddto produce the active material for cell 127 for about M. 8.40, as compared to M. 16.32, which latter amount we had to pay at that time for material procured from America.

Mr. Edicon was, in addition, requested to and the Chemist Mr. Arbogast to Germany, in order that the latter might advise us in the manufacture of the iron massion the negative side of the cells. Mr. Bergann also draw Mr. Edisons attention to the fact that everything possible was being done in Germany to find a market for the Edicon cells, as could be clearly seen not only from the lists of the Edicon Company, but also from the lists of the Berganen Electrical Works issued by the electromobile department. This letter also placed on record that, up to the let July

1908, 2544 celle type H 27 in all had been sold and that the reyalty due, amounting to \$ 2315.04, had been placed to Mr. Rdiecn's credit.

On July 30th, 1908, Mr. Edison replied to the abovementioned letter that he could not poseibly send Mr. Arbogast to Germany, as he had no one to replace him, and that his own work would be interrupted if he were to allow his chemist to go. Mr. Edison suggested that a young man from the Technical High School in Charlottenburg should be sent to America, whom he would instruct. Mr. Edison remarked that his new proceedfor producing the iron material was very cheap and that it would be possible to make the iron in Germany for 20 cents per poundl He further stated that he would probably be in a position to supply activematerial for half the price charged up to the present as soon as the plant for the manufactureof active material, which was then in processof construction, was completed. Mr. Edison also said that the new celle which were then being completed were satisfactory, and had already been run for 3000 miles in a car, and that, although the chasele had to be continually repaired, the battery had developed no defect whatecover.

Mr. Edison further stated that he expected to complete twenty-five filling mechines for tubes in six weeks, and then would commence manufacture.

On September 16th, 1908, Mr. Bergmann wrote that he had engaged a Chemiet, Dr. Herold, and that he would send him to America for the purpose of studying the battery.

On January 5th, 1909, the German Company wrote a lengthy letter to Mr. Edison, stating that it would not be possible to conduct the business in the present fashion any longer. It was pointed out that the manufacturing cost for a battery of sixty-four colls, H 27, amounted to \$ 480.co, without taking establishment charges into account, while, as compared to this manufacturing coet, the nethelling price was only \$ 800.co. The German Company believed it could reduce the manufacturing cost to \$ 416.co as soon as the active material could be produced in Germany for half theprice of that which the German Company was then compelled to pay for American material.

These figures were seed on the assumption that, in Germany, about 100 cells type H 27 would be manufactured per day, but that if less were made the manufacturing cost would, of course, increase, and, further, the general situation would be serious should the cell share to be sold at still lower prices.

Mr. Edicon was therefore requested, in order to enable the business to be continued, to gree to an alteration in the agreement made with him, to the extent that the German Company should not pay royalty until the new cell had been placed on the market, and until the money lost had been regained. Further, that, in addition to the new Edicon bettery, other articles might be manufactured in Germany, and, finally, that Edicon batteries might be sold all over Europe, with the exception of England, during such time as the cells were not being manufactured in the particular countries in question. It was further pointed out that, up to that time, a loss of approximately N. 1,000,000 --- had been incurred, and that the present situation was unbearable.

Mr. Bergmann eent at the same time a covering letter to Mr. Edison, in which he wrote that Mr. Kammerhoff was going to America to discuss the matter verbally with him. Mr. Bergmann stated that he was no longer in a position to pacify the Gommany in Germany, more especially as the loss incurred was critical with reference to the capital paid up, and that steps must be taken to put the business on a solid basis, and Mr. Bergmann hoped that Mr. Edison would give these representations his serious attention.

In view of the representations made both by letter and

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werbally, Mr. Edicon wrote on February 11th, 1909, to the German Company that he would be prepared, under the existing circumstances, to alter the contract of September 28th, 1905, in the following manner:

From March 1st, 1909, up to six months after the date upon which the American Company begins to manufacture the new cell on a commercial basis, no reyalty shall be paid. Mr. Edicen to write as soon as this period had elapsed, after which the payment of royalty should recommence. This temporary stoppage of the payment of royalty to be agreed to on the condition that the Germany Company should at once commence to make the necessary machines and tools for the manufacture of the cell Type A, in order that the manufacture of the new cell might be proceeded with as quickly as possible.

Mn Edison declared that he was now eatisfied with the new cell.

On August 13th, 1909, Mr. Edison wrote that he would be in a position in a few weeks to send all particulars for making the machines necessary for manufacturing the new cell. He stated further that, at that time, he was turning out and selling eighty cells daily, and that in a further six weeks the number of cells would be increased to 250. Mr. Edison further remarked that he had approached Mr. Pierpont Norgem with a view to his withdrawal from the English Company, and that Mr. Morgan would not consent to withdraw. The same applied to the French Company. Mr. Edison further said that Mr. Bergmann would probably receive a large amount of work in connection with the English and French factories. Mr. Edison also wrote that the Italiam Navy had purchased a battery or standard size for experimental purposes, with a view to using large cells for submarine boats, scoording to the results of the tests.

On December 17th, 1909, Mr. Bergmann replied that he would be very pleased to receive orders for making the tools and machines for the English and French Factories. He enquired at the same time at what price Mr. Edison could supply nickel flakes.

On September 27th, 1909, Mr. Edison informed the German Company officially that the Edison Storagehattery Company had commenced manufacturing the new cell type A on July let, 1909, and that, in consequence, the original agreement of September 26th, 1905, would come into force again on January 1st, 1910.

This meant that Mr. Edison required that from January 1st 1910 the sermany Company

- Should manufacturestorage batteries only;
- 2. Should pay the royelty stipulated in the Agreement.

As a result of Mr. Edison's attitude in this question, it is self-evident that he wished the German Company by all means to take up the manufacture of the new cell at the earliest possible moment, without, however, taking into account that considerable time was required in Germany to make all the necessary tools and machines.

On September 50th, 1909, Edison wrote that he was preparing all the necessary particulars and drawings, etc. for the manufacture of complete factory equipments for England and France. Mr. Edison wrote that, as soon as these particulars were easy, he would submit the plans to Mr. Pierpont Morgan. He again repeated that probably Mr. Bergmen would have to build the larger part of the machines necessary.

Mr. Edisen further stated that his factory turned out 100 cells per day, but that in the next faw days he would be making 800 cells per day, and that he was preparing sufficient machines in order to manufacture 500 cells daily. He further wrote in detail that the smortisation of his cell would be less than that of lead batteries during the course of years. With reference to the manufacturing cost of type A 4, Mr. Edison was

of the opinion that this would be cheaper to manufacture than type \$\mathbb{E}\$ 18, and that, in addition, a substantial reduction of the manufacturing cost would be possible. Mr. Edison finally said that Mr. Bergmann might possibly think that he, Mr. Edison, might be too sanguine in regard to the future of the battery, but that he would refer him to previous experience in this respect, which went to show that much better results had been obtained from his inventions than he himself had expected.

Mr. Bergmann replied on December 18th, 1909, that two weeks before the General Meeting of the Edison Company had taken place, and that on this occasion the Deutsche Bank and also the other parties interested commenced to become impatient and demanded positive particulars and information. Mr. Bergmann stated that, in view of the favourable information contained in Mr. Edison's letter of September 50th, he had been able to in still courage into the Shareholders. He further wrote that he would be glad to receive the orders for the French and English factories, and, in connection therewith, again requested that particulars in the form of drawings for making the filling machines and for the mew flakes apparatus, etc., should be sent him, and, further, asked for several cells A 4 and A 6.

It is evident from the above letter that, although Edison had again put the original contract into force from January let, 1910, he had, nevertheless, not even given the German Company sufficient information to enable them to proceed with the tools and mechines only.

On Movember 5th, 1909, Mr. Bergmann sent a translation of an article by Dreyer in the "Ricktroteoinische Zeitschrift" regarding an electric locomotive with Edison batteries. Mr. Bergmann pointed out that the Germa Company were occupied with the design of a cell of larger dimensions, and at the same time confirmed the receipt of Mr. Edison's tolegram, in which he stated

that he would send drawings and tube cells in the course of the week. Mr. Bergmann further stated that it was of vital importance for the German Company to commence making the new battery, as with the old battery the Company could neither live nor die.

In January 1910 (no date), Mr. Edison wrote Mr. Bergmann privately that Rogers, who had in the meantine (beginning of January) come to Germany, was not in a position to rum a large factory. Rogers, however, had all the necessary experience with regard to the battery, and would be of great value in bringing out the new cell on a commercial basis in Germany. Mr. Edison further stated that Mr. Bergmann could be convinced that the new cell would be a great success.

On January 24th, 1910, the Deutsche Edison-Akkumulatoren-Company wrote to the Edison Storage battery Company in confirmation of the telegram of January 11th, that Rogers had brought blue prints for tools and machines with him, but no new cells, however. It was pointed out that we must have'at least six cells, in order to make tests, and the Edison Storage pattery Company was requested to send further 70 cells A 6 for testing in an electromobile. Further, the German Company requested that 25 lbs. of nickel flakes he sent for experimental purposss.

On March 24th, 1910, Mr. Edison was saked to say whether he intended to start manufacturing in England during the year 1910, and Mr. Rergmann expressed the hope that Mr. Edison would then give him the orders for the necessary machines, as he had repeatedly presised.

Mr. Edison wrote on May 6th, to Mr. Bergmann that he could not see the possibility of sparing any nickel flakes for Germany, and that he had to work night and day in order to make sufficient flakes for himself, and in order to send flakes to

Germany he would have to reduce his own output in cells. Edison etated in addition that the apparatus for manufacturing the flakes was very cheap and eacily made, and that Rogers could give all the necessary particulars. With regard to the English factory, Mr. Edison wrote that the expert had sent in his report, and that in all probability something further would be heard concerning this matter in a few weeks.

On May 29th, 1910, Mr. Edison wrote that the Railroad Companies in America were interested in locometives equipped with Edison batteries. Mr. Edison further stated that, in order to reduce the time for charging and discharging, tubes of 1/6* diameter, would be used, the present type having such of 1/4* diameter. According to his remarks, Mr. Edison appeared to attach great importance to the business with the Railroad companies, and also appeared to regard the cells with the thinner tubes as an important feature.

On June 21st, 1910, Mr. Edison again wrote to Mr. Bergmann that he could not send any flakes to Germany, and that the flakes could be made more cheaply here than in America. Mr. Edison stated that the manufacturing cost for flakes used in an A 4 cell amounts to 60 c., but that he would reduce the cost in time to 50 c.

On July 12th, 1910, Mr. Bergmann replied that he was very glad to hear of the cell with thinner twees, especially as the competition with the lead batteries was made so difficult because, on account of the time taken in charging and discharging with the cleer type of cells, these had to be taken much larger than was necessary. Mr. Bergmann asked for the necessary particulars in order to be able to proceed with the manufacture of the thin tube in Germany as fast as possible. In connection herewith, Mr. Kamerhoff wrote a report, dated July 7th, to Mr. Bergmann, in which he pointsout that the information received

from Mr. Edison with regard to the thin tube cells was of great importance, as, by shortening the time required for charging and discharging, it would be possible with the tube cell to do business on a healthy basis.

On July 21st, 1910, Mr. Edison wrote that the thin tubes of 1/8" dismeter are only to be used for cell sin railroad care, and submarine boats, and that the present type, with 1/4" dismeter tubes, are to be adhered to for all the other cells, and that he was unable to send any information with regard to the thin tubes, as those existing had only been mads by hand.

On July 12th, 1910, Mr. Bergmann informed Mr. Edison that he was very glad to hear such good news with regard to the new battery, but that his duty towards the shareholders would compel him to convince himself how matters actually stood. He remarked that, without further information, it would be impossible to expect the Shareholders to pay up the remainisader of the capital, and that, for this reason, he had decided to send Mr. Kammerhoff to America, in order to make the necessary investigations. Mr. Regmann furtherpitated that the Shareholders were beginning to get very disagreeable, and spoke of taking action gainst him, as false statements had been made to them when the German Company was founded.

Mr. Kammerhoff's investigations in America in August
1910 showed that the manufacture of the tube cell with thin tubes
was not to be thought of. In a report to Mr. Edison, dated
August Slat, 1910., Mr. Kammerhoff places on record that the manufacture of cells with thick tubes was being proceed with without
a hitch, but that, in order to work with a profit in America, the
daily turnover would first have to be raised to about 500 cells
type A, while at that time the turnover actually amounted to 200
cells type A per day.

In this report Mr. Edison was requested to extend the

rights of the German Company, in order that Mr. Bergmann might be in a position to show the Shareholders something tangible, in order to induce them to subscribe further capital.

It is also recorded in this letter that Mr. Edison was prepared to supply nickel flakes, nickel hydrate, and iron mix, also lithium, at fixed prices.

In the different interviews, Mr. Edison still maintained his demand that the German Company should manufacture the new cells as quickly as possible, and also make the mickel flakes themselves. Mr. Edison also advocated the manufacture(of lithium in Germany. He declined absolutely to extend the rights of the German Company, and wrote a short note to Mr. Kammerhoff, in which he advised Mr. Bergmann to bear the cost of carrying on the business of the German Company himself.

After Mr. Bergmann had, both by letter and verbally, received reports upon the exact position of the business in America at that time, he wrote to Mr. Edison on September 15th, 1910, that he felt extremely disappointed, as it was evident that considerable time and large sums of money would be required before a final commercial success could be expected from the battery business. Mr. Bergmann drew Mr. Edison's attention to the fact that he would never for one moment have entertained the idea of taking up the battery, had he possibly been able to foresee that such difficulties would arise, and that such vital alterations would have to be made. It was mentioned, further, in the letter that the Shareholders and more especially the Deutsche Bank had, after waiting five years, lost all confidence , but, nevertheless, Mr. Bergmann etated that, having regard to both his own and Mr. . Edison's name and reputation, he could not let the business drop. Further, that it was absolutely out of the queetion that Mr. Bergmann should entertain Mr. Edison's suggestion and put more of his own money into the undertaking, but, on the other hand, in

order to swoid further calls of capital, Mr. Edison should send the necessary materials, in the form of nickel flakes and positive plates, to Germany. Plates sufficient for twenty batteries of 72 cells, type A 6, were required at once, which were to be taken into service at the end of the year 1910.

On September 21st, 1910, the Garman Company wrote to Mr. Edison with regard to the small cell made in America type B 4, of 76 ampere hours capacity, and Mr. Edison was requested to send as quickly as possible drawings, and other particulars, in order to snable the manufacture of this apparently favourable small type of cell to be taken up in Germany. Mr. Edison was further requested to send the positive plates for 200 - 300 cells B 4, in order that the cells might be assembled in Germany.

On September 28th, 1910, Mr. Edison telegraphed that he would send one thousand positive plates for A cells per week, beginning on October 10th, 1910, and also that he would send nickel flakes and nickel hydrate. This telegram was followed up by a further one, on October 15th, 1910, in which Mr. Edison stated that he was unable to send any plates before the and of October.

The German Company confirmed these telegrams in a letter to Mr. Edison dated October 31et, 1910, and special attention was drawn to the fact that both the plates, as well as the nickel flakes and nickel hydrate were urgently required, as otherwise it was impossible to proceed. It was further pointed out that Mr. Edison had already been requested, On September 21et, 1910, to send drawings for the small B 4 and B 2 types, and also positive plates for 300 - 300 cells B 4.

In a letter dated becember let, 1910, Mr. Bergmann informed Mr. Edison that the preparations for manufacturing the new cell were being proceeded with at full epsed in Germany, and that eight filling machines for tube boxes were being made. Mr. Bergmann furtherictated that the Italian Navy had sent in enquiries

for large cells for submarine boats, and that we were to make several cells in Germany of about 5000 ampère hours capacity for Italy. Enclosed in the letter was a report of the last Board Vesting of the German Company.

On December 15th, 1910, Mr. Bergmann wrote to Mr. Edison, stating that, as the tools for the new cell A 4 and A 6 were almost ready, and as the work on the eight filling machines would also be completed shortly, Rogers' assistance was no longer required, and that he would, in consequence, return to America.

On December 19th, 1916, Mr. Bergmann informed Mr. Edison that Mr. Kammerhoff had resigned, and that he (Mr. Bergmann) felt himself compelled to seriou my consider liquidating, in view of the hopeless condition of the business, unless further considerable sums were invested. Mr. Edison was asked whether he would make any proposition with a view to taking over the tools and machines, to be used, possibly, for a factory in England.

This letter was despatched on January 9th, 1911. On January ?lst, Mr. Edison replied that he had not yst started manufacturing in Europe, as he had no time to occupy himself sufficiently with the matter. Mr. Edison advised Mr. mergmann not to liquidate, but to stop manufacturing and sell the factory building and ground, that is, to turn everything to money and to invest the remaining capital at switable interest, and to solely concentrate his efforts on the male of batteries, which Mr. Edison would supply from America. Mr. Edison expressed the opinion that he could supply from America just as cheaply as could be manufactured in Germany, and, as a matter of fact, that it is a mistake to assume that the batteries can be produced at a cheaper rate in Germany than in America. Mr. Edison said he had received largebrdere, and was 10,000 cells behindhand. With reference to the question of taking over some of the tools, Mr. Edison etated that he would discuse this matter with Rogers.

In the meantime, the Italian Navy had ordered two submarine boat cells of 4500 ampère hours capacity. In order to ensure that no mistale should be made with regard to the tubes, a telegram was cent to Mr. Edison on January 24th, 1911, to send 15,000 tubes to Germany.

This telegram was confirmed on January 25th, and Mr.
Edison again requested to despatch the positive plates for 200 300 small B 4 cells, which had already been ordered on September
21st. 1910.

On January 28th, 1911, Mr. Edison te legraphed that he would despatch 15,000 tubes on February 4th.

On warch 7th, 1911, Mr. Bergmann wrote to Mr. Edison, stating that he was surprised at Mr. Edison's letter of January 21et, in which the latter advised him to dop manufacturing in Europe. Mr. Bergmann remarked that the possibility of selling cells in Europe that had been made in America depended upon the price which Mr. Edison would demand, and, also, the dates of delivery he could give. Mr. Bergmann enquirked at what pricee Mr. Edison would supply the tubes if Mr. Bergmann were to give him an order for 2,000,000 of these. Mr. Bergmann again approached Mr. Edison, saking him to make an effer to take over the tools and machines, in order to enable Mr. Bergmann to discussithe necessary steps to be taken with the Deutsche Bank and the other Shareholders. Mr. Bergmann remarked that he considered Mr. Edison's proposal a favourable one, in which he suggested that the cells sold in Germany should be made in America.

In the meantime, Mr. Doty case from America to Germany, and asked Mr. Bergmann whether he would care for him to try and obtain financial people in America, who would be interested, in order that the businese in Germany might be continued. Mr. Bergmann disclosed his views on this subject in a letter to Mr. Edison dated March 2574, 1911. This letter recorded that Mr.

Bergmann expected to receive an acceptable proposal from Mr.
Edison, as otherwise he would be compelled to close down the
factory. Mr. Bergsamn again pointes out that it was solely on
account of Mr. Edison's and his own reputation that he had kept
the factory running, and that, if it had not been for this consideration, he would have given up the battery business long ago.

In a letter dated warch 24th, 1911, Mr. Edison wrote that, after due consideration, he could not take over the tools and machines. The situation in America was at the time so favourable, he still having orders for 12,000 cells unexcented, that it would be best if Mr. Bergamm were to send Mr. Klein to the factory in Orange, in order that he might personally convince him self of the favourable position of affairs. Mr. Edison further remarked that his épinion with regard to the future of the hattery had not attered in the least.

With reference to Mr. Bergmann's enquiry with regard to the prices of tubes, Mr. Edison redied that he could supply same for \$ 43.20 per 1000, in which price, apart from the depreciation of tools, he had only included 12% profit, but, on the other hand, nothing for establishment charges. This quotation, however, represents, as compared to the invoices received up to the present, an increase in price of about 50%. While Mr. Edison formerly charged 2.9 o. per tube when 15,000 of these were pupplied, he now demands 4.3 o. each, and remarks that, in the latter price, the royalty is included. As all the German quotations had been based on a price of 2.9 o. per tube, this offer was of no use to the German Company.

As no replies were received to the last letters within the next four weeks, Mr. Bergeann telegraphed on April 24th, 1911, to Mr. Raison, and enquired when Mr. Raison had replied to his (Mr. Bergaann's) letter of March 25td 1911. Mr. Bergaann cabled that he must shut down the factory, as Mr. Raison, in scoordance

[ATTACHMENT/ENCLOSURE]

-24-

with his letter of March 24th, had raised the price of twose by 50%. Mr. Bergmann further wired that, at a price of 2t c. per twee, he might try to keep the business going a little longer.

In reply, a cable was received from Mr. Edison on April

25th, stating that the price quoted for tubes was the lowest Mr. Edison could give, as it included little or no profit.

From the last letter and exchange of telegrams results that Mr. Edison at the present time insists on an increase of the price for tubes. This renders it impossible to maintain the quotation to the Italian Navy for complete batteries for submarine boats. If Mr. Edison also increases the prices for complete positive plates for the type A in the same proportion, the result would be that in Germany the same prices would have to be asked for electromobile cells as in America. For a battery of 72 cells A 6, such as would be used in a two ton truck, the gross price would then be M. 6048 --, as compared to a gross price of M. 2000 - for a lead battery.

Experience up to the present has shown that it is hopeless to offer electromobile batteries at such prices, and the only question still open is whether batteries for submarine boats would be purchased at such increased rates.

A quotation based on Mr. Edison's latest price of i.3 c. per tube was submitted a few days ago to the German Nacy, and future negociations will show the attitude the Authorities will adopt with regard to the offer in question.

N/4/19/11 The amount My DEar Kammerkoff 743 Mr. Rogers tello me you and have Decoupled from The ballony Co. . and leave in fuly of that you would lake to Come over with us, I could give you a place to Enterprises providing Mr Bergu Is made to lenderstand that I am not trying to take you away, I would not for an welfant do anything to hunt Mr Bergmany 19 cooped To dollar perweek to start with I if you made a success I of course would merease

Emple Rallines used colone dead 6 atteries cannot

[ATTACHMENT/ENCLOSURE]

Sunt VI VICE

5-25-1911

Migh Rathman Director Olympung Elech Teasleshaft

Bergman made failure my storage battery made large investment, news to give up, would not take my advice, has no conception of its value for the future. Weah you would cable your agent here make investigation of tworks and humans here. How thousand men, way behind orders prospects for a human twenty willion dollars year, Have made great improvements ato an epach making durce performs functions impossible with lead gatheries Believe your Company should absorb the German Co please auswer of you will worstigate.

8.4

[ATTACHMENT/ENCLOSURE]

COPY CABLE.

file

Rathenau Director,

Allgemeine Elektrioitats Gesellschaft,

Berlin, Germany.

"Bergmann made failure my storage battery, made large investment, wants to give up, would not take my advice, has no conception of its value for the future. Wish you would cable your agent here make investigation of works and business here. Have thousand men, way behind orders, prospects for a business twenty million dollars year. Have made great improvements, it's an epoch making device, performs functions impossible with Lead batteries. Believe your Company should absorb the German Co. Please answer if you will investigate."

(Signed)

Edison.

Sent May 25th 1911. W. U. Tel. Co.

If you have an expert agent in America would like to have him see me have an important peroposation Cable W.O.J.C. 4.15 P. m



30 NY N Berlin May26-1911

Edison, Orange NJ We have transferred all accumulator interests to the well

known german ... tudor company who is financially strong and to whom J gave knoweledge of your cable there are well disposed to send over experts at convenient time to investigate thoroughly into the matter .

Rathenau.

3P

My DEar Butter

Hedenday deent you cle-

of Reed your Calico as fallow

The secreson it coelled you is that Bergnirous who formed of Uterman Co to work my defectine accountato has the second made serious Errors and

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I am not particularly delegated to hear that you have seed your

Vaccimilator interest to the Tudor Co They would have to take I up to have found that

I have found that we had such combinations one hat very cleverable

There is one thing certain that the Company that Contrals this very 6 atteny will within 3 or 4 years Command the Gulk of the Electric Gusiness

this statement, time will show the show you would be the tribute you peopled at the tribute you paid me at the great dimm.

I wellough

Senieus Schuchardt & Newyork Time
Just receired the following Cable from Berlin
Set in numediate touch with Edison
Orange My Lutendo to make very
Mapart and proposition

B5- gemon

SIEMENS-SCHUCKERT WERKE

G. m. b. H. KAPITAL SO MILLIONEN MARK ÜBERSEE-ABTEILUNG

Telegramm-Adresses: WERNERDYN BERLIN

Reichsbank-Girokonto G.

Berlin SW., don- 27th May 1911.

1 No 33778 C.V.U.

Antwortschreiben bitten wir die vorstehend Nr. entugeben und Butsardem der Adress die Bezeichnung: "Überson-Abtellung"

JUN 7- 1911

Th. Edison Esq.,

Orange New Jersey U.A.

Dear Sir,

We beg to confirm receipt of your telegram of yesterday and in answering we wired you to-day,

" James New York in absence of our agent Doctor Frank will visit you at once."

Yours faithfully

M. Wissen, pphena

P. M. RICEN AR. COMPANY

(190-125 LIMENT STREET

TIL 280 CONTANNY

NEW YORK

DOAR Mr. Edison

Through an accidental inquiry made of myself a day of

Through an accidental inquiry made of myself a day of

two ago, I have learned that Mr. Bergmann will reach the age of 60 on yune 9th and, while you probably inow it, I take the liberty of sending you this reminder as no doubt 5.B. would be greatly pleased to receive a letter or cablegram from you on the occasion.

Yours truly

elgura Berlin

Occapt Congratutation on your Sixty-

Market Wille war & Bergmann Berlin -Am trying find a purchaser who will be buy your Have approached Rathnew Simens or Morgan ferm, you will make the most Lours grantic Chender on second from sell out Recent Events proves Gattery

opens up a new field and we certain to be an epoch with Electric Cockensor with certain security of meg regaliations,



MACHINE DEPARTMENT

In uply please quote

Bnn/WH

Thomas A. Edison Esq.,
Llewellyn Park,
Orange.

New Jersey.

My dear Edison,

**** 201 ***

I duly received your cable of the 1st inst., reading:-

"Bergmann Trying to find purchaser who will buy your German "Company. I have approximal Racheman, Sissens and Morgan and Company. I have approximate most gigantic blunder on record sift you sellout, recent events prove battery open up new "and enormous field and is certain be an epoch in the "electric butness". Will write result of negotiations."

This telegram does not, of course, help me cut of the fix here, and it is not an answer to my letter of May 11th. As I have written you before, if you do not take immediate and positive steps to help us out of this trouble, it will end very soon in a very big scandal, and I know that neither you nor I can afford to be dragged into a lot of lawsuite brought by stockholdere.

I note you eay in your cablegram that you have approached Rathenau and Siemens; you are no doubt aware that Siemene and

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

-2-

Thomas A. Edison Esq., Orange.

Rathenau own the Tudor lead battery and are, in fact, practically the owners of the Tudor Company, and that, further, they have the biggest opponents of your battery in Europe. These are the very people who have, from the start, all along prophesied this commercial disaster and ridiculed your battery!

I now swait a positive reply from you, one way or the other, and remain,

Yours sincerely,

POSTALTELEGRAPH



COMMERCIALCABLES

CABLEGRAM

Postal Telegraph-Cable Company (Inc.	rporated) transmits and delivers this measage subject t	the terms and conditions printed on the back of thin biss
NUMBER SERVER BEG'O B		180 MARKET SI
Penkow	Jun 9 1911	WHERE ANY MENTANGHOULD BE BEI
Rogers 10 Walnut	Terrace Bloomfield NJ	(darry)
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POSTAL TELEGRAPH - COMMERCIAL CABLES

B5-754m

811 Via Azores

žą: Berlin June 10-1911 Edison .

JUN 12 EII

Orange NJ. The members of the staff of the bergmann works assembled to celebrate the sixtieth birthday of their respected chief send thier heartiest greetings to the nester of electricity



Berlin June

Edison ,

Orange NJ.

Referring your cablegram ninth have nothing to say any more

Bergmann

: Cabic Co Charles R/J. SIEMENS-SCHUCKERTWERKE

Mr. Thomas A. Edison. JR 15 511 Valley Road,

West Orange, N. J.

Dear Sir:-

Referring to the writer's visit of the 57th ult., beg to say that we have just received a short cable in answer to our report of your proposition as outlined to the writer, to the effect that we are willing to consider such a proposition, our final decision depending on details and future negotiations.

Besides giving us the above information, the cable contained the following addition: "Purchase Bergmann excluded". We do not know exactly how to take this statement, and before being able to explain same to you, we will have to smalt written confirmation, which we understand has already been mailed to us.

We beg you to take this communication simply as preliminary information to the effect that SIEMENS & HALSKE A. G. AND SIEMENS-SCHUCKERTWERKE G. M. S. H.
REP. BY Dr. K. G. FRANK NEW YORK

--

our firm is favorably inclined to take up the manufacture of your new cell. As soon as we have received the detailed information the writer will take the pleasure of cening to Orange and vicit you in order to discuss the matter further with you. In the meantime, we beg to remain,

Yours ver trul

to Dr. Frank.

· lactor Toruga

ALLGEMEINE ELEKTRICITÄTS-GESELLSCHAFT

DIREKTION.

BERLIN NW., 23.6.11

15 3- BH

Mr. Thomas Edison Orange,

Hy dear Edison :-

I have placed your favor of the 27th, ult. before our friends, and now learn from them that you are also negotiating with Messra. Siemens Schuckert through their representatives in your city.

Our friends are obtaining from someone in close touch with you, more detailed information in regard to your invention and its present actual position, and by making tests of your batteries and oells, will form for themselves an opinion as to the merits of same. They will then communicate with you in regard to the result.

with kind regards.

Believe me.

Yours very truly,

s. Ar Ala Umng



MACHINE DEPARTMENT In reply please quel Bnn/WH

My dear Edison.

Thy Osar Bengman -I that come over and leaving here thing 2 a hape to see you accused her in Everyor I heart along the service of the service with the Rectanus Seemons + Margan Han

Enclosed please find copy of letter I have to-day written Mr. Doty, which speaks for itself, the you

I have heard from the public educes that three Religion and of your daughter are on their way to know never the three Religion and your daughter are on their way to know never the Religion has the religion to the religion of the religion to the religion of the religion to the religion written her that, if I can be of any assistance to her, at her disposal, and I hope we shall see her in Germany before long, even if only for a short time.

Are you perhape coming over tater on? If so, when? I should be very glad, if you come to Hamburg or Bremen, to meet you I am sure a good holiday in Europe, and an there if possible. automobile tour through France, Switzerland, and Germany, would do I can arrange for motorcars for you over here, you piles of good. ae I wrote you last year.

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Hoping to be able to greet you in Germany soon, I am, Bincerely yours,

Plesguraun



Thomas A. Edison Mag., Orange.

Porm. 555 II. a. o

[ATTACHMENT/ENCLOSURE]

	· Distriction of the last		
From		1 2.	
Bergmann Electrical Works	s, Dept. M., Berlin.	3	on
Enclosure to our letter	of28.6.11.		6 1
MThomas.A,Edisor	LESQ.	1.	V 10 0 1
Orange.	264095	A Pare	28th June, 1911.
	- 9	Br. 11to	Zata vane, 2-22
	Mr. A. I	oty,	
	0	range.	

Dear Sir.

I am in receipt of your favour of the 12th inst., addressed to Mr. Kammerhoff, and in connection therewith beg to remark as follows:

New Jersey, U.S.A.

In the general statement sent you we had inserted for special machines, tools, chemical plant, and special plant, the sum of \$111,952.co, this sum including the new building for the chemical plant. Your people are willing to pay \$160,660.co for the plant without the building for the chemical plant, the latter costing \$15,258 Deducting the cost of the building from \$114,952.co leaves \$99,711.co, which sum is nearly equal to the \$100,000.co which you are propared to pay. In this way, however, we should get absolutely nothing for the business itself, and I think, therefore, that you should increase the sum to at least \$120,000.co. It should furthermore be taken into consideration that the whole plant for nickel-plating, consisting in addition to the usual accessories of four machine baths and seven stationary baths, is not shown in our statement at all, but would nevertheless be included and handed over to you for the sum of \$120,000.co. The value of the nickel-plating plant and the above-mentioned baths is

about \$ 14,000.00.

In addition to the items mentioned in the general statement. there are the following: 1.) Land \$ 169,810.00 2.) Building \$ 109,648.00 3.) Factory equipment \$ 14,095.00 4.) Office Equipment \$ 1,381.00 5.) Raw material a) for new type cell: sheet iron for grids and tubes \$ 500.00 hard rubber parts \$ 1714.00 flakes, 150 lbs. \$ 3G3.00 hydrate, about 1200 lbs. .. \$ 871000 lythium hydrate \$ 1429.00 \$ 4,917.00 b) for old type cell: sheet iron & hard rubber parts --...\$ 25643.00 half-finished parts of old type oell \$ 24167.00 old type cells ready \$ 8738.00 \$ 58.548.00 Standard machines, such as lathes, presses, etc., inclu-ding steam engines and boiler plant \$ 43,452.00 7.) Items as per general statement \$ 114,952.00

\$ 516,203.00

If, therefore, you take over the whole of the business, as shown in the above statement, you will have to pay \$ 516,205.co, but we, on the other hand, should receive no compensation whatsoever for the trouble and work of building up the business during the last six years. I would further point out, as mentioned in the letter of the Edison Co. of the 16th of P.y. that there is a mortgage of \$ 142.860.co on the land upon which the factory is built.

As you are well aware, we have spent about \$ 750,060.00 on the business, of which amount at least \$ 275,060.00 has been lost through continual alterations in construction of the cells, experiments made, etc.

With regard to the general prospects of the business at the present time, I beg to remark as follows:-

Owing to the fact that we entered into negociations with the Italian Navy and supplied two trial cells which, after being subjected to a series of tests for several months, proved to be satisfactory, in every respect, the interest in the Edison accumulator has increased to a very great extent. From information we have received, it would appear that the Italian Waval Authorities in Spezia have recommended to kho Naval Department in Rome that Edison cells should be used in the two submarine boats which are now being built.

We have, in the meantime, supplied two further cells, each having a capacity of 4350 amp.-hours, to the French Navy, and these

are being tested at the present moment.

The merits of the Edison cell were explained to the German Naval Authorities by means of a personal interview in Kiel, and, as a result of the discussion, their views on the subject were entirely changed. The Authorities in Kiel have submitted an application to the Naval Department that sums should be granted, in order to enable them, in the first instance, to order several cells for testing purposes, and they propose further to alter the design of the new boats in such a manner that the Edison cells can be installed therein.

The Dutch Government also sent one of their Engineers to us, and have further asked for a quotation for cells for submarine boats.

A representative of the Russian Mayy called upon us, and

received full information and details with regard to the cells.

As you can see from the above brief summary, the business in large cells for submarine boats is now assuming definite shape, and it is to be expected that the Italian, Fronch, and German Mavies will very shortly placeorders for complete batteries.

The price of a storage battery of this nature would amount to at least \$ 200,000.co. The French Nary have at the present time about sixty submarine boats, the Italian Navy about twenty, and the German Navy about five. All Navies are doing their utmost to develop and increase the number of submarine boats, and it can safely be said that, after the first order for a battery for a submarine for one of the

Buropean Navies has been placed, other orders will follow, amounting to millions. In fact, the development of this particular business is not to be gauged.

In addition to the above-mentioned large colls, our clients have also shown, during the last few months, great interest for the standard small cells. Amongst others, we received yesterday an order for 500C colls, having a capacity of P. Amp.-hours for mining lamps. Further, within a few weeks, we have received orders for forty batteries for wireless telegraphy.

It may appear strange, in view of the favourable prospects of the business, that I should be inclined to stop work on the Rilson cell, but I would sak you to take into consideration that I havesuffered so many disappointments and such continual worry and annoyance during the last six years that I am completely discouraged and tired of the whole business.

Furthermore, our capital is exhausted, and, finally, the other two principle shareholders, with the Doutsche Rank at the head, are so disappointed at the length of time they have had to wait that they have declined to put any more capital in to exploit the Edison battery.

Unfortunately, Mr. &diuon sent us a few days age a cablegram in which he positively prohibits our continuing our negociations with Italy and other European Mavies, apart from Germany and Austria. This

step is of course of most vital importance for me, and I am uttorly at a loss to understand how Edison can have come to such a decision.

The proposition contained in this letter is, of course, subject to the consent of Edison and of the Executive Committee of the German Edison Co. that you and your friends should take over the business. I have, however, no doubt whatever that the Executive Committee will agree to the sale of the business being effected in the form suggested by mc, as, up to the present, any measures I may have adopted have always had its approval.

Kindly lot me hear at the earliest possible moment what you think of my present proposal, and I sincerely trust that we shall be able to come to an arrangement, so that the parties interested can take over the Gorman Rdison Pattery Co. on terms which will be acceptable to me, and thus continue the business, the prospects of which are so favourable.

Yours very truly,

of General

My dear K. Aston, Langer to real to feether you have pent the Muchas the Section of the Market of Secretary water, orange, N. J.

My dear Hr. Aston, Park orange of Secretary of Secretary of the Market of the Market of Secretary water, orange of Secretary of Secretary water, orange of Secretary of Secretary of the Market of Secretary water, orange of Secretary of

you cabled Mr. Rathenau about your German battery eituation. As you may remember, I have always been extremely intimate with the Tudor Battery people, Mr. Maller and Mr. Roderbourg being two of my warmest friends. Mr. Rathenau is a director in their Company and I understand that there is some general arrangement by which the Allegemeine Company and the Siemens-Schuckert Company turn over all their storage battery interests to the Tudor Company.

Knowing my relations with you, Mr. Muller immediately told me how he felt about the German cituation and said that he had no objection to my telling you how he felt if it would be of any interest to you. Their general feeling is that they would like to control your battery if it is what you think it is. They are naturally skeptical, always having been interested on the other side, but I think they are surely open to conviction if approached in the proper way.

I do not know whether or not this interests you but if it does I should be glad to tell you the whole story at any time

which would suit your convenience. I feel under very great personal obligations to Mr. Muller and his friends for their many courtesies shown me in Germany and anything I can do to get them into pleasant relations with you will be a great satisfaction to me. As I go over to New York every week or two, I could run out to see you at almost any time which you might name.

Yours very truly,

the b- Ereguer

REGISTER MINESCRIPTION (M. 1911)

REGISTER MINESCRIPTION (M. 1912)

KOLBEN & CS.

PRACTICAL MAY DEAD (M. 1912)

Mr. Healt Recommend for the Contract

Healt Recommend for the Contract

Thomas A. EDISON

LUCC LOSE LA TORANGE N.J.

LE LOSE WALL

DEAR SIT:

When I had the pleasure of seeing you at Prag, you were so kind as to promise to give me some information regarding your storage battery for motor cars.

Will you kindly arrange that some catalogues and other printed matter be sent to me , eventually a sample cell be sent and adressed to my company, as I have considerable interest of making some arrangements regarding the selling of these batteries in Austria. -

To your information I may mention that my company is now working with a fully paid in

share capital of 6 millione Kronen, equal to 1,200.000 Bollars and has extended connectione throughout Austria-Hungary. -

It would also interest me to learn, wether we could obtain the exclusive right of selling your batteries for Austria-Hhmgary. I may add, that a company working from Berlin could not do any bussiness at all in our country, owing to the great national contrast existing.

I hope that you arrived safely and in perfect health at Orange. -

With kind regards believe me, dear Mr. Edison,

very sincerely yours



Thomas A. Edieon, Req., Llewellyn Park, Orange, H.J., U.S.A.

My dear Edison:-

Bnn/enr

I hope that you and your good family have had a pleasant trip across and reached home in good health and spirit. It is with great pleasure, indeed, that I recall your visit. It was really one of the finest treate I have had in my life and will always mean pleasant recollections. I only hope that you will repeat your trips to the "did World" more often.

The Book on the "Beach Car" I will send to Mr. Rathenau to-day, with a few lines and ask him to kindly turn this matter over to someone who is not opposed to the Edison Battery and report to you direct.

The Deuteche Edison Gesellechaft have cent a substantial remittance to your company for bills due and have also forwarded another order, according to our understanding, for 4000 more plates.

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Thomas A. Edison. Esq.

o -

9/29/11.

Please see that these are executed promptly, so that we can keep things moving here. I should be much obliged if your company would let us know immediately, when these plates have been shipped, as it is most important for us, in order not to get into extreme difficulties.

Also please advise me what you can do regarding prices, how much cheaper the plates and tubes will be, when you deduct the general expense, as we talked, when you were here.

Thanking you for an early reply, I am, with very

best wishes

Tours very truly,

1 Legmann.



The reply please quete

Bnn/emr

00. **14** F

Thomas A. Edison, Esq., Llewellyn Park, Grange, N.J., U.S.A.

My dsar Edison:

I have asked Mr. P. H. Klein Jr. to endeavor to ece you on board the S.S. *Amerika* immediately on her arrival in New York Bay, concerning certain articles published in the New York World, alleged to have been based on statements mads by you, criticising and ridiculing German industrial enterprises and business methods most sharply. All the German newspapers are up in arms about these statements and there is, throughout Germany, a great deal of agitation and consternation on that account.

I would appreciate it very much, therefore, if you would authorize Klein to cable a denial of these statements to me, so that I can pacify the people here, who are looking at this matter very tragically. I am convinced that these publications are merely signs of animosity on the part of the individual repor-

Thomas A. Edison, Esq.

- 2 -

10/5/11.

ter of the "New York World" and have no foundation, so far as

In order to calm the people over here, it was necessary for me to issue a statement, eaying that you could not possibly have made such remarks and that, considering the short time you spent in Germany, you would not be in a very good position to thoroughly and finally pass a verdict upon the conditions here. I also requested that the entire affair be considered less tragic, the same as is done over in the States. I was compelled to do this, in order to protect our intercets in general, especially the Deutsche Rdieon Gesellschaft, and for your own sake an expecting a denial of the publications made in the "World", which I am convinced are not in accordance with the actual facts.

With best wishes,

Yours very sincerely,

Lugmam.

as single of the first of the f

October 12th, 1911.

Poutsche Fdison-Akkumuletoren Company, G.m.b.H., Drontheimorstresso 35/38 Borlin, H. Germany.

Contlanen:

Resit times of \$4,000 amounted in yours of the 79th ult, gratefully schrowledged. This, together with the agentitures of \$1000 (Auto Hire) and \$146.86 (Frence) reduces your indebtedness to \$5,800.186. Ploses recember to send us your bills for these two items as soon as possible thin two may properly ordeff than to your socount.

Hr. Edison has consented to fill your present order for 4,000 pentity ophtes at the old price of 50% each, with the understanding, however, that this is to be the last shipment of plates. Expending the old of 55.878 set 100 and \$1.168 per 100, respectively, communicated to Hr. Rereggen in ours of the 12th Inst. The extremely close price to do it; No. 12 per 100 and 12 per 100 per

We can ship 2000 of these plates by November 1st and the restrining 2000 by the latter part of that month. If this is agreeable places ravise at the earliest possible moment, and oblige.

Very truly yours.

Office Henngor.

TJL/JT.

But .. ir. 7. rig "

Berlin	
10/16/11	
J. G. E.	
Jelen	usteh hour many
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MACHINE DEPARTMENT

Shi seply please quete Bnn/emr

Thomas A. Edison, Esq.,

Llewellyn Park, Orange N.J.

My dear Edison: .

I have just cabled you as follows:.*Telegraph how many plates shipped what steamer I have

sent check*
which I herewith beg to confirm.

As I told you in my letter of the 29th of September the Deutsche Edison Co. sent you a substantial payment on that day and placed an order for 4000 plates, type A. I have also paid your auto bill, amounting to about \$1100.--, and a bill for dresses for Mrs. Edison for about 680 fres., so that our account has received a substantial credit.

In order to keep things moving here, it is of the greatest importance that the type A plates be sent us as quickly as possible, and I would ask your kind assistance towards this end, as otherwise we shall be in a very bad fix. You will recollect my telling you that I am now personally responsible for the payments of the Edison Co. here

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Thomas A. Edison Esq.

- 2 -

10/16/11.

and appreciate the gravity of the eituation.

The book you left with me, on the Beach car, I sent to Mr. Rathenau and he has promised to turn it over to one of his engineers who is familiar with the battery business. I am afraid though, that he will turn this matter over to the Hagen people and then, of course, there will be no tangible result. This only emphasizes the importance that our orders must receive prompt attention, so that we can make a good showing.

In my letter of September 29th, I also asked that you notify me when the above plates, type "A" will be shipped and am now awaiting your reply to my cablegram of to-day requesting the same information.

We also have orders on hand for B 4 cells and as we have no tools for this size of cell here, I am enclosing herewith our requisition for 100 cells, type B 4 and I trust you will give instructions that these be shipped as quickly as at all possible. In fixing has price for these B 4 cells, we would ask you to kindly take into consideration that we will supply the lithium and electrolyte and also form the cells ourselves.

Awaiting, with interest, your news concerning the above

metters, I am

very truly yours,

legmans.



Machine Department
Six uply please quote

Bnn/emr

W 33 m

Mr. Thomas A. Edison, Llewellyn Park, Orange, N.J. U.S.A.

My dear Edison:

I have received your wireless message, explaining what you have said regarding the German industries and business integrity. I have given this to the press here and things have quieted down here, the explanation being perfectly esticfactory. I really had quite a hard time trying to pacify the people over here, as they considered the article first printed a great insult for the German commercial world, but everything is o. k. now. It seems to me that Mr. Valentine tried to be a little too smart and issued statements against Germany at your expense.

I have eent Mr. Rathenau and Geheimrat von Siemens a photograph in your name and they will no doubt thank you for same direct. If, by mistake, anyone should send you any bill for photo-

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Edison.

2 - 10/17/11.

graphs, etc., taken during your stay over here, I would ask you to please send same to me, so that the bills will not be paid twice.

I hope that you have derived a lot of good out of your trip to the "old World" and with best regards to Mrs. Edison and yourself,

Sincerely yours

Nergums.

S. S. Hand What of Myst 10/9/11 Sharet Beach is getting lots of Car orders Las 12 building and 19 Running When you get Beacles There occurs to 62 d 649 fineld book back from Rathman or these Cari scared send it to & Fodor Willyon please get all of the Buda Pasto Eledio the data on the laxi caso (b) to look over in Hamburg- City scems to I have jucked those Gallen be full of Elactric Taxis people bep & you will get Holmede data or 1 to certain to get your Valso Judos presen 4 plates in the teche promised quarantes -Didejou get Kadembafo letter greating prices -There is a concern in Norfalk I reduced the ray esly To Va who core making a great 400 will you can be making money & cut uff allgent Sopense & added a very tille profit

the deposition of the Cuttery to be suchwined who is showed be give up The dre baying Lats of Cattern lighting has house 64 Electrica Then they Change The leavery which They go into a town put up porters dumana Costs 14 cents + change hum 105 They pand the cally by they come Exhibit the Educat freight and after Zor 3 weeks System of Cighting Hyoners for ge they whip another, which is Getterny at the - Hall to be used where the first one gets near der change -Admintractores Then they 4 it is received to norfolk show 6 8 4 10 Call A4 alua by breight, one change for B4- with 4 6 + 10 CP Jungoten Lecurpe 3/4 wath ofelling farmer last over amouth, they greneward. pert one 10 CP Lamp Duce of Tanda they Take Volume to only situling room Nots of orders - They make 4CP in Hace + God rooms the man que a Raul deposit + they love the to consen wouldly scantal sufferent to pay for Gottery un 6 years, I gunnantes them 5 years

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MACHINE DEPARTMENT

In uply please quete

Bnn/RMR ,5 3,

MO! 4- 01!

Mr. Thomas A. Edieon, Llewellyn Park, ORANGE, N.J. U. S. A.

My dear Edison:

This is, of course, somewhat lower than the former rates, but even with these reduced charges we cannot see our way clear to cell the batteries and make expensee. Is it not possible for you to let us have these tubes for 3 cents each, until your new battery is placed on the market?

Your price for iron pockets is entirely too high and we can produce them much cheaper here, and besides, we etill have a lot of material on hand, which we must use for this purpose.

However, there is another way to help us out, if you should find it imposeible to furnish us the tubing at 3 cts. each,

form 350 # 81

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Edison.

- 2 -

10/24/11.

i.e. make us your lowest, possible price for crushed nickel hydrate and nickel flakes, in order that we can fill the tubes ourselves. We have twelve tube-filling machines ready and also a machine for rolling the tubes, so that it would not take us very long to fill the tubes ourselves.

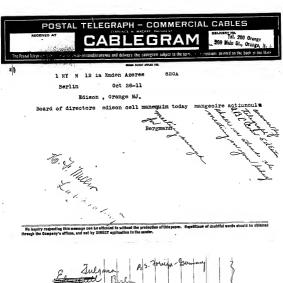
I know perfectly well, that you are not making any money no matter what price you quote us, but you will appreciate that we will have to manage somehow to linger along until your new, small tube battery appears on the market. I should be much obliged, therev fore, if you would please let me have, by return of mail, price for 1000 lbs. of nickel hydrate and the necessary nickel flakes for this quantity, and also advise me whether you will be able to furnish us the tube complete at 3 cents such.

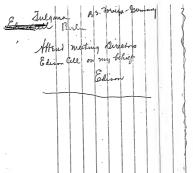
As I have already written you, I turned the "Beach" car literature over to Mr. Bathenau and he has now requested us to give him particulars, concerning three different sizes of batteries. We have given him prices which do not include any profit whatseever for us and only just about cover our general expenses. I so very much afraid, though, that Mr. Rathenau's automobile company have a contract with the Tudor Co. and that this inquiry is merely a matter of form. They will probably reply that the price is too high, at any rate. I am easerly awaiting their news in this matter.

Also kindly arrange for the new cells to be sent us, at once as promised, with small tubes, having 1/8 dismeter.

Thanking you in anticipation for your favorable consideration of the above Mours sincerely,

Bergermanne.





Calle Havry

Bergman B. L. -

WE will ship all tubes and hundred B four inside ten days -

Edwar

(while 3 !!

yours of Get 24 at hand + It is my day lower smeethan given without asked for y church do this as I have outside storokhalde The ballougha and do not own it all you say the won is too high, that you can make it charges, you can probably make non charger but not the kind of notice make, we kny from Horney Inon, pune sulphur acid, organizer other dulphate 3 times + take the greatest presents moke 1200 lbs taily & proof 1,50 con past 225 for formery Without the vion is made Exactly right 9 would not quanantee The defe for 4 years, so & do now to you ask me to quare of makel hypropide, this shows you extend to continue with the factory How you can ever win out the which wie possessed with the idea that you must compete on price with The lead 6 million is more than I can figure out, your present methods will corlowly make it myosses? for you to one cood - you will gan Considerable Expensaries

andoing wifrance and Englands I have arranged to carry a stock of about 1000 Cells in fundame and the same in paris, with an Expert tester - + keep the stock up. The form in Paris who are to merchandere the 6 rettery pay full hist price for battery bless 20% 40 eart, per cest topped also pry Enstore duty = Theo makes the Coll high in France, but the firm who are Engineer of who are perfectly familiar with & all the land of Edward Gration way that the price of the Edwar will be no handleap, as by of they are craffed to open up a very large but in directions where the peculiarities of a lead lentiting makes it impossible In England we have a large business sight topice ally from Engineering Co. who are noung it are familiar with the Lead 6 attery = I am sure my advice to you is correct the about doing the business but in addition get a good business man to work up the selling end , I willough



My dear Edison:

As I have written you in my letter of yeaterday's date, I am very much astoniahed that the details of the manufacture of your battery has been given to the public at large in the magazine entit--led "The American Machinist" and would ask you to kindly let me know whether this has been done with your consent.

I beg to point out to you that your patent rights in Europe are very meagre and I always believed that it was understood between you and me that even if the patents did not offer a great stronghold, the thorough experience and experts required for the manufacture of the battery would offer ample protection in itself. Now if these processes are described in detail and broadcast, as is done in the articles I refer to, I am afraid that when the time comes for you to reap the fruit of your labors, that the competition will be very keen. As you doubtless know there is a German edition of the *American Machinist* and I am sending you copy of a German translation of the first article published about your battery,

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Edison.

- 2 -

11. 8. 11.

I have not got a copy of the original article printed in English, and also copy of the second article published in English, which will appear in the next issue of the German edition during the coming week. I understand.

I should be pleased to have your views in regard to this matter and remain, with best wishes,

ours very truly,

lergnmun

Mr. Thomas A. Edison, LLewellyn Park, Orange, H.J. U.S.A.

Enclosures.

ants BudarestiÁltalánosVillamosságiÍrészvénytársaság:

Sürgönyczim : EQYENARAM TELEFON 3-52, 3-53, 3-54.

November 15th.1911 Orange. New Jersey, U.S.A.

Mr. Thomas A. Edison. Edicon's Laboratory,

My dear Sire.

I beg to inform you that I

in touch with the German Edison Storage Battery Co. regarding the adaption of your storage battery in place of the Tudor lead ones we use in our automobiles, and they have made us a proposition that is not practical or feasible to carry out with our type of autos.

Instead of the 44 lead cells that we have in

each of our autos, and which are all placed in one trough that has its place in the front of the auto. as you will well remember and which we showed you while here, the German Co. have proposed to us 70 cells of your type A 6. of which only 28 find room in the trough, while the rest they ask us to place undermeath the chauffer's seat and under the seat in the coupe which is simply impossible. The chauffer, I may mention needs the box under his seat, while it is out of question to put anything under the seat in the coupe.

The one great advantage of the battery disposition in a trough at the front of the motor, is that by a single manipulation the whole battery can be taken out or replaced again, and it is not necessary to handle any other part of the auto.thms inauring the coupé against all risks of damage or excessive usage.

In conclusion I may state that the question

of finding a suitable bunk in existing automobiles for the disposition wof Edison cells, which require much more space than the lead type, must be studied better, and ways and means must be found so that trials can be made in automobiles that were not expressly built for them.

I remain,

Wours very truly

BUDAPESTI ALIALANOS VILLAMOSSAGI
RESZVENY TARS 1840

Theme de Fodov

Howhere of your heater
You had better do nall my with Cabo will

Y get machining vicably to make my Cab type

of Cattery and velope a Tayrate for dendone

Paris which I am note closing to

which will be proceed at

Bally, my.

Mr. 20-11

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contract 1500 cells 1° aris.
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cliscount let me maire this
contract wire when you will
furnish tuling,

Berlin.

Bergmann

Connot do as requested abready have stored with Paris partner to worth france or also in England -

Tensonal Justin 1911

Wy DEan Bergman= Italal you in Berlin that Kommorlogg was have that your men could conte him a get any information about new things you wanted, I fold you about new backery Orate, The feet is Bergmenn your men dout take advantage of their opportunition, you better go over theme & racine hall. for must know that we are very being and don't know what you want - your men must cask + coz weck give full information French I model of you enquest

The new bray was fine unprovenedent as the ballow of the Cans are raised off Hebottom 1/2 mah 9 there will be very little trouble from crash award in wet the accin + Thease tell your men not to offer bother outside of I falmany or austria Augan a's I am shipping a large number of Cello to London offerin colore I will keep a permanent supply -I lave connections over there that we very good and from the recruett which I Exect They will got you will

denive great advantage Greaux they will show The best way to sell the goods. They intend to use the 6 accom to bring out some things which one rather large affdire. The Cattery Geny a minor gart, most of the applications will be. to things where Lead 6 allere are unpolicible - Mount of Varis is one of the Technical men = from their efforts you will get without cost The best lines for operating ulfermany = goelf the 6 atterner, 7013-Loudon & Paris as they are taken from my stock for spot cash = I know cerhat profit

I am going to make it have only one man to pay - He forms the Gatteries up + ships, of the gotto the devide his time because Loud on Thoms The parties pay for Warehouse dall other Expenses -Le Beach is full of orders, he has Taken another building You should have your Cathery man write Walter Holland our Electrician of Collery Co for Explanations afall Kind, about Tithia -Hotelf Coming out of pockets Most of the stuff is the hickel Oxide in the little indent outside

after Tube which sticks in in fleling the lube with machine nothing should ever come out of the tube tell Except in Cases whose they have reglicated to put the right almount of this in when the Cell is first formed. If they make mustakes have Some af the water id well work out or the Cells will not be as high as They should be I we consider this so important that the addin afthe Lithia in The factory forming is Charles by 3 defferent

men'= Our tests here show that it is sufe Certain that trucks battery Can be guaranteed tor 3 years all am long Endwance testo show. 4 years actual use in Hedra & Cos Frucks which have now Geen running wolling 21/2 moullis of 3 years Still have their full Capacity Lotely of am quandation of years on banis that of the Gallery Costs 100 trapped y quarantes 4 years to given y within 10% of the rated Copacity. If it fails within 3 years they get back 25% of the 100% they gaid -

The other day I went over + vpent /2 Day with you old sevent 120 Ehret I sold him butteres for 7- 5 Ton trucks A12-+ gudanted for 4 florida to anything there of Extended to the out colly = WE found Ehents Elachician would not und They were no good or a l of af other lies - Ehret investigated a found has a continuente la pourtner in the Concern that bold hum all his Gallers

The old man got his dutch up & told his man that the wanted to keep his 106 to get out a Relic Concern & that hereafter he was going to usa Edwin Callein Exclusivaly We find that the Electric S Basis Co of Phila neake a dequelar princtice of brising the delivery dept officials growing Moyo Compa ou batterns of 15 dollars for Each renewal = of course & had no show against this kind caf Robbery - but Three Concerns Wave descharged Their supt a Hearn & Co had their men in Jail - 9 am tald by a man

that they do The same thing: I think that the a fixed hing forme descary when I the Concern never will buy a Lead octling againf I will see a Gout ahippying the tube mentioned in Nov 6th 1911 Lette =

who worked for Tudor

About guarantening by mileage don't do it - you then grantes the truck, generally the trucks are rattery Just granantee the End of 3 yours 68 capable of giving within 10% of note the word Capable thes means. that on account of duty or bad water you May have to change 15 or 20 menters more at Eito of 3nd year-that has not cupturing to do with the mule ague of the truck 6 scause The ballong Even at End of 3

years always has 20 to 25, Thore capacity that what is usually used for they need not change any more as they usunly door alongs any way = after you have been doing busiless for Couple years or my the thousands afternakes aver have have danced The 23/4 to 3 yrs all right you counging antice to 4 years que (on = Ehents dead to colleus Last 9 months that is the corrage of laintened - He wise 5 Ton little at to havid on dead 6 celles but just cohat we want for

Regarding the clam about parrengier Cario The information youwant is in Beach Gook Thesedes your Engineer can easily fun that out without lording us to give hum information about German nava con never sais Why don't he ask us the Doblat the drop of vallage would be and a No4 wires from Bergman to Rathraus defice well to too and to some property with a siequest that we should farlward from Orange the Exact deslance believen Honorable Bergman & Honorable Rathrans affile Zam Potery Foreign

Nov.20/1911.

Fr. Harry Miller:-

Bergmann, Berlin, as follows:

"DISCULPA AS REQUESTED CATCALLING WITH PARIS PARTIES TO WORK FRANCE AND ENGLAND EDISON"

which translated reads:

"WE CANNOT DO AS REQUESTED. HAVE GLOSED WITH PARIS PARTIES TO WORK FRANCE AND ENGLAND. EDISON."

FEF/CRR FILE BERLIN OFFICE.

COMMERCIAL CABLES

26 NY N 28 X Collect CB New York Nov 20-11 Thomas A Edison Inc.

Orange NJ

Tel. 200 Orange

209 Main St., Orange 209 Main St., Orange, N. 4. Edison New York. Can secure definitely contract fitten hundred cells paris ommibuses listprice twenty percent discount

let me make this contract . Wire when you can furnish tubing

Bergmann Berlin

Battery Toruga

Translation.

Mr. Genoraldrektor, S. Bergmann, Berlin.

Dear Sir:-

written to Mr. Edison on the 6th inst. and a letter of the Deutshe Edison Accumulatoren Co. written to me on the 6th inst. Nr. Edison gave order that the following should be sent to you:

1 cell A-8; 1 cell A-10; 1 cell A-12; 1 tray for 6 A-6, without cells, including holders.

For the new construction of the treys it is necessary that the cells are dipped in an insulating material. Besides that the holders for the cells must be made. Regards information for making the insulating stuff, Mr. Edison decided:

"And say that we will send over the formula for the black dope soon as we are making a change in its composition and application."

Therefore it is not possible today to give you finel information regards the new trays or the kind of insulating dope, but this is to be done after Mr. Edison decides so.

Twant to draw your attention to the fact that it will be simpler and include less loss of time if you give a formal order in case you want any samples like the above mentioned cells and tray. If such an order doos not go with your letter, some loss of time is unvaddable.

Regarding the question how much Lithium should be not in the "A" type celle, Mr. Holland already wrote you a letter and I furthermore gave him your letter of the 6th inst. on request of Mr. Edison.

Mr. Holland said that he wants to wait for an answer from you on his letter and that he then, if necessary, will take this matter up again.

Mr. Holland thinks it absolutely impossible that your cells should have suffered, because the renewing-solution contained instead of

1

15 gr. of Lithium per liter only 11.2 gr. and he explained that the cells, which are running here, have been treated according to the former description nearly two years and no doubtful results whatever were experienced.

I can only confirm Er. Hollend's view. It is of the greatest importance that the first filling of the cells be made in the right way. If the calls be made in the right way. If the same of the cells we will be made in the right way. If the amount of Lithium can become so poor as to cause a falling out of the hydrat, as long as there exists only a difference of 4 gr. Lithium in the solution which serves for the renewal. Laboratory but also the results of practical use speak against such a possibility.

Yours very truly, Signed: M. Kemmerhoff.

Deutsche Edison- Akkumulatoren-Company

G. m. b. F.

Bank-Conta: Deutsche Bank, Berlin.

Telegramm-Adresse: Edisoncell.

Fernsprech-Anschluss: Aml 2, No. 873.

A. B. C Code (4th v. 5th Edition)
and Lieber's Code used.
Bnn/EMR.

Destin II. dag No possibiling for 35-36.

Mr. Thomas A. Edison, Llewellyn Park, Orange, F.J. U. S. A.

My dear Edison :-

I beg to confirm our exchange of cablegrams as

follows,-

"Can secure definitely contract fifteen hundred cells Paris omnibuses listprice twenty percent discount let me make this contract wire when you can furnish tubing"—Bergmann;

"We cannot do as requested have closed with Paris parties to work France and England" - "Edison".

and am also in receipt of your letter of November 7th.

As you will have noted from my callegram, we had an opportunity of securing a contract for 1200 to 1500 cells for automobile buses for Paris and this would have been a good channe for us to make a Dollar. Perhaps you will still see your way clear to permit us to work France for a few years? It is with great regret that I have stopped our Paris negotiations.

Enclosed please find a translation of a letter from Mr. Rathenau's concern, which speaks for itself and from which

Deutsche Edison-Akkumulatoren-Company

Mr. Thomas A. Edison.

- 11.29.11.

you will see that they are not interested in your battery. I never heard a word from Mr. Rathenau personally since, except what I wrote you before, simply that he turned the matter over to his manager Wolff, who is in charge of the Automobile Department. I am going to write Mr. Rathenau to return the Beach catalogue and will forward same to Mr. de Podor in Budapest, in compliance with your wishes. I have already written Mr. de Fodor in regard to this matter.

You are quite correct in stating that we do not need the hydroxide and we only desired to use this in order to work up our materials on hand. We now have several orders for Austria and Hungary and are cending you herewith our requisition for

200,000 tubes

to be shipped in four consignments, during a term of three months. Kindly arrange that this order is executed promptly, as this ie of the greatest importance to us.

I have noted your remarks with regard to the iron very carefully and as the difference in the cost of this if produced here or procured from America is so slight I have given orders that a requisition for

3000 lbe.

iron mix be sent you and should be obliged if you would see to it that this is sent along promptly.

We are also sending you by registered mail a check for \$ 4411.38 in settlement of our account outstanding, up to October 1st. - 2 -

Deutsche Edison-Akkumulatoren-Company

Mr. Thomas A. Mdison.

3 - 11,29,11.

Further, we beg to call your attention to the fact that up to the present date, we have not received a confirmation from you for the order for 50,000 tubes, contained in our letter of November 7th. We trust, however, nevertheless that this order is well in hand now and that shipment will be made as quickly as at all possible.

should esteem it a favor if you would issue instructions that our orders receive prompt attention and trusting to hear from you when delivery will be effected, I am

Legisland of the formand by the state of the

Please telegraph me what has been shipped.

S.B.

[ATTACHMENT/ENCLOSURE]



Eingong gwan 1911 Vm. Rel.....

d. 24. Nov. 11.

Dronthelmerstr. 35/38.

Deutsche Edieon-Akkumulatoren-Comp-

z.Hd.d.Herrn Generaldirektor Bergmann,
Berlin N.20.

OIREKTION.

ION.

Sehr geehrter Herr generaldirektor!

Ich besitze Ihre gerl.Offerte von 23.v.H. und habe die in derealben ausgeführten paten eines genauen Vergleiche mit den von uns bislang verwendeten Bleibatterien unterworfen. Hierbei hat eich horausgestellt, dass, abgesehen von dem bedautend höheren Anschaffungspreise, die grundrikehe der Batterie eo groese Dimencionen aufweist, dass es unmöglich ist, eine paesende Batterie, z.B. in uneeren Droschkentyp einzubnuen. Ich eehe mich daher zu meinem Bedauern gezwungen, von einem Versuche abzuschen.

Die weiteren Mitteilungen über die Arbeitsweise der Batterie haben mich in hohem Masse intereesiert und ich sage Ihnen hierfür meinen verbindlicheten Dank.

[ATTACHMENT/ENCLOSURE]

Mit dem Ausdrucke meiner vorzüglichsten Hochachtung, empfehle ich mich, sehr geehrter Herr General-

als Ihr ganz ergebener

lwy

Schr Kn.

direktor

[ATTACHMENT/ENCLOSURE]

TRANSLATION

Neue Automobil-Gesellschaft, Berlin.

Berlin-Oberechöneweide, Wovember 24th. 1911.

Deuteche Edieon Akkumulatoren Comp.

Attention: Mr. Bergmann, General Director.

Berlin N. 20.

promtheimerstr. 35/38.

Dear Mr. Bergmannt-

I am in necespt of your quotation of the 23rd ult. and have had a careful comparison made, between the data contained therein and the lead batteries ueed by us up to the present. From this we have accertained that spart from the much higher cost, the area of the battery is such as to render it impossible to find roum for a suitable battery in our type of ceb. I am, therefore, to my regret, compelled to decist from making a tect.

The other particulars, concerning the mode of operation of the battery have interested me immensely and I wish to express my best thanks for same.

With the expression of my very best respects, I beg to remain, $\mbox{\bf Sear}\mbox{ Mr.}$ Bergmann,

Yours very faithfully,

(signed) -illegible-



MACHINE DEPARTMENT

Ban/BR

₩: 56

Mr. Thomas A. Missen, Likwellyn Park, Orenge, T.J.

My dear Baisent-

At your request I have asked Mr. Rathenau to return the "Beach" extalogue, as seen as he was through with it, in order that I could forward ome to Mr. do Redor in Radapout.

After lengthy correspondence and trying to personale the Allgemeine Hightricitaetsgesellesheft to requisition eas of your batteries for trial on their electric automobiles - they have ever a hundred running here in Berlin - to show the difference between your battery and the load battery, they have declined to do so, as I wrete you acceral days ago.

Redeced I on conding you original letter from Br.
Enthonous and a translation of come, transmitting the MAMES entalogue.
Your friend Ratheman has been very except and not committed himself
to the extent of one little word about your battery.

RERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Bilson.

8.12.11.

I did not expect that Mr. Rathenau would order any batteries, but thought that out of grant tode and respect for you, he would, at least, have taken the tredble to give the battery one fair trial. I informed his parties that if they desired to make a trial, I would be willing to furnish them a battery and they would not have to pay a cent for it and could return some to me, if not satisfactory, but they would not even do that to neet you.

I have just seen the enclosed picture in one of the magazines, illustrating the great event when you were with your priend Rathesen and thought it would probably interest you.

Your letter of Hevember 20th, I will momer fully in the course of the ment few days.

With kind regards,

Land Land

Yours very truly

Neignum.

Anlege:

ALLGEMEINE ELEKTRICITÄTS-GESELLSCHAFT

Direktion.

Friedrich Karl-Uler 2—4.
BERLIN NW., den 6, Dezember 1911.

Sehr geehrter Herr Generaldirektor.

In haftioher Erledigung Ihres Geehrten vom 30. v. M. reiche ich die mir s. Zt. freundlichst überlassenen Unterlagen betr. die Edison-Batterie mit verbindlichem Dank anbei wieder zurück und begrüsse Sie mit ergebener Hoobschtung

Arthráthum_{il}

Herr Generaldirektor S. Bergmann

hier J.V.

Allgemeine Elektricitacts-Gesellschaft,

39 Priodrich Kerl Ufer 2 - 4

J.S. Bo.S. 8319.

Berlin W, December 6th, 1911.

In mply to your esteemed letter of the 50th ult., I beg to return herewith, with best thanks, the papers, etc., concerning the Bison battery, which so kindly furnished me, and remain

Yours very truly, Dr. Rathenia

Mr. S. Bermann, General Director. Berlin W.



Popular ELECTRICITY



MR. EDISON AND DR. EMIL RATHERAW AT THE ELECTRICAL GENERATING STATION AT MODAIT, GERMANY, SEPTEMBER, 1911

Doc. 21, 1911

Moners. Bachman & Boc:-

that 100,000 Tubes on their order \$1150 of Hovember 30th, will 80 forward on January 1-th, 50,000 more on February ord and the believe of 50,000 on February 24th. This will bring delivery well within the three months period requested in their letter of Nov. 20th.

T. J. DENMARD.

TJT/AL

parametrical production

Dec. 21, 1911

Deutsche Edison Akkumulatoren Co., 25 Drontheimerstrasse, Berlin, Germany.

Gentlemon: -

ment of your order files. Nevenber 30th, roferrod to in yours orthe files, Nevenber 30th, roferrod to in yours of the 39th ult., and would advise that instead of airding 200,000 tubes in 4 ehipsonts during a period of three months, we will ship 100,000 or January 13th, an additional 50,000 on February 27th and the romaining 50,000 on February 24th. This will bring at well 15th and 15th order 15th and 15th

The price on the Nickel Tubes will be \$3.972 por hundred as quoted you by Nr. Medicon in letter of Oct. 12th, and price on the Iron Mix will be \$6,000 por lb., packing and freight to New York extra. The advance on the price of Iron Mix over the old price of 354 represente proportion of the royalty of Nr. Edison, of 405 per A-4 cells.

In your remittance of \$4:11.30 recently received you called to enclose the bills covering auto hire
and bill you filed to enclose the bills covering auto hire
and bill you filed. For tenses for ker. Edison, both of
which items you charged to our account as of Soptember
20th. We requested that these bills be sont us in our
letter of October 12th and expected to receive them with
the next remittance. You will approaise the necessity
of our having them before proper credit can be made to
your account and disposition of the items at this end.

We assure you that prompt attention will be given to the order now in our hands, as well as future orders.

Yours very truly, EDISON STORAGE BATT RY COMPANY

TJL:AL

Edison General File Series 1911. Battery, Storage - Railroad (E-11-22)

This folder contains correspondence relating to the use of Edison's alkaline storage battery in railroads and locomotives. Most of the letters pertain to the electrification of terminals in Chicago. Several items concern visitors to West Orange and experiments with Edison's locomotive battery. Among the documents in Edison's had are draft letters to consulting engineer Horace F. Parshall and to Louis A. Ferguson of the Commonwealth Edison Co. in Chicago. Other correspondents include Edison's chief engineer, Donald M. Bliss; C. Pickard, a developer from the Canadian Maritimes; Gibbs & Hill of New York, consulting engineers for the Chicago Chamber of Commerce; and representatives of the Baldwin Locomotive Works.

All of the documents have been selected.

Horaze Bathery -





How York, Jamary 17, 1911.

Mr. D. H. Blion,

Chief Engineer, Edicon Laboratories.

ango, R. J. In my apermon the radium project

Dear Sir.

As I will have to rojost to my parcolategrand were proposed in tending to interest others with a fit the despitement of the fit will be prince Raward Island, it has coolured to not that the yould be of some statement of the fit will be advantage to have a personal letter from its addoor stating that he had discussed the matter with no and taking into counsiders) on the case greades on the line running translativities to gene remomphore the fools that it would be personally contained that it would be personally contained the same of the fools that it would be personally contained the same of the fools that it would be personally contained the fools that it would be personally contained the fools that it would be personally contained to the figure of the fools that it would be personally contained to the figure.

You can guite readily understand that this is very necessary when I state that one of the leading and very influential promotice in lieutreal, and who is very largely interested in electric prepositions in loute America, loudee and California, lampled at the idea of storage batteries.

If you will kindly talk this mattér ever with Mr. Bâison and, if possible, have him write a personal letter bearing on the subject. This with the information which the other departments are going to send me will very materially did in corrying out the undertaking.

I will be at the Hambattan Wednesday and Thursday. Again thanking you for your kindness, I am,

Yours vory truly,

Miladelphia/ ney 23, 1911.

IN REPLYING PLEASE REFER TO ABOVE INITIALS

Mr. Thomas A. Edison,

Orange, New Jersey,

Dear Sir:

Kindly refer to our conversation of the 16th regarding heavy storage battery locomotive for terminal work. find it mecessary to work up some preliminary data on the complete electrification as quickly as possible, and will thank you for anything you can do issuands hurrying the necessary figures on the hatters.

Thanking you in advance, we are,

Mary truly yours, BALDWIN LOCOMOTIVE

Jepa (" Votos 1911 sign Ballwin loco working back all that was taken cut Craw steps My niew core at N Lequing, I personally from the Kico to trushallings hours gone ents the serme of thomse Chargeny Coth ends scheme to ascertain of it is a business Only take out 3/5th possibility. My conclusions are that if done in the way wings are that it will be a hipping ! of Capacity on each rely so as to det rapid practicable ocommented are con Charge rate with of air Loco with Callary for 900 house passer houses descharging for 30 minutes over the 10 Like ween character on a bless was Dwall Cells to 62 used to get radialing surface miles at rate of 1500 Hotel to get cooling from Dower Then run od seding fair to prevent too goveal charge to wenter to put

a rise of lamperature Chy at leath end refuces Calleng to 1/2 what it could be up Chyo Care end only In this way cost of Electrification no weather how great or complex is refuced docon to Sarpall Galleton There no other modernit for the reason that the over this route hence Commence Cacoar stations noch in aproater there is no mackes here are abundantly able to supply for noone It resolves itself down to one tem, that is the only Coveret than well Eve be used a cost

so low that the RR Co could not posselly put up clarious + make it Menuseloes for the same uconey The use of the Electric Loco releases just that neary near sleam Locas

Cost but think it would 6 & around 48 @ 53 dalla

per honds pocosi hour

based on a I hour discharge rate, as far as we know now from

the Endurance tasks, they will give within 10% of

the rating over a period cof 3 years they can then be transferred to another

WE have only built a few rapid chose advado rata colla connetta se The

Cost of Electroqui Chicago RR is princhicado

the Cost of somany

gets of 6 access of

the Cost of running is The depreciation interest

of Current for these ballaries

The laying on the Loco nat regumes so ording 40 or 50 minutes much power aran only weams that affect for another of years Estra Locos warrod or at End of 3 years be necessary over talgor what would be the the positive plate of there we are but eletted Cambe renuved for 1/2 wailing for change of the original cost making Cost Bay while daling there is \$ 78. per HP hour ader princheally no depreacate a period of 6 years benen it was resolved or 13% clepies of on transfer Iself into a question of interest on the idle

moestment, The scheme of Electrofreeter seexult, lends itself to a gradual Electrification without must 62 doculamed + any dislustance or that I am testing the range of the clames to wit bow low of costly Enoug of the battery down by This feation of taking on Current at End of Skeel by small reels to by short trip as a loco use of renduling fans would take on Coal a water is in they openion

the peoper + communeel way to attach The

There is only one thing that

Can I keep the Icerepance

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that we will lot you

Search see know

fleare let nee know

f y am wrong where

y am wrong on the

Gennal idea

Baldwin Logmotive Works.

Milliam I. Sustini, "Restant. Dilla D. Johnson: Vier Bross and Browners. Gamuel, M. Vauclain: Grand Superintendent. William de Krafft, Geretarynod Set. Truss

Philadelphia, Very 27, 1911

Mr. Thomas A. Edison,

Jorday as porter tenter but here were

Dear Sir:

We have your leaves of May 25th and the scheme outlined therein seems attractive from our point of view. It yet remains for us, however, to do more detailed figuring which will involve the approximate weight, afte, and mumber of cells of battery required. If your engineers are not already working on this will you kindly see that we are supplied with at least approximate. If sures of this kind.

It now looks as though it would be more desirable to carry the whole battery on a separate tender which pould then be entirely disconnected and a mes fully charged one substituted. This, of course, would have the advantage of keeping the same 'locomotive and entire over in service,

Awaiting your further advices and thanking you for the useful information so far given, we are,

Very truly yours,

BALDWIN LOCOMOTIVE WORKS
ELECTRIC LOCOMOTIVE BEP (RIMENT

BS-Streetund

(Mab/30

Ford, Bacon & Pavis, Engineers.

GADWAY

New York, May 31, 1911.

JUN 12 311

Mr. Thos. A. Edison, Orange, N. J.

Dear Sir:-

Thinking that it may be of interest we are sending you under separate cover, copy of the report which we have made upon the service and equipment of the Philadelphia Rapid Transit Company for the Pennsylvania State Railroad Commission.

Very truly yours,

F.R.F.

The June Dais

Thank them for the one of the bastorports I have ever read,

Say come to Laborar BS-5trester any Time our were tack East Grange The Jews 2nd 1911 over the proper descented Thoo. a. Ediam Eg Grange, n.fo. Au Din: I have grients from Oklahome has at the freshed ting who gave enduring to finances and intrinstens rulivy his between Oklahoma City and Shawnes Okla. to miles and I would like to talk with your or your representations about your plorage battery Caro. With owhead equipment and sub provid stations eliminated this line could be built exclusion of equipment for a little one 300,000 so metters are now and they have bonus and stock pulsa reptions for nearly that amount. The line from an operating stand bout is a winner and it is an easy matter to finance equipment. The line will need about 8 or 10 hig high speed cars and one or two becometions and as it is in a rapidly growing section and one which is well adoutised it would preu an ideal place to put your cars in question. I have personally gone on the line and an familiar with the territory and so an engineer of experiences with such lines I am pure of the results.

If you are realy to hardh high spend and heavy equipment I can think of no bitter place to that in the most than on this his place to that you make the his possible that not me met a sief which would be hopeful to all. I would appreciate an early raply and the how of an appointment

N. E. M. Shutock

22 Karran Pl last Grange. Inf.

With Robert W. Hunt & G.

My Dear Parahace, John the chicago terminals -31 RRoada Lunice can Sweet the Coverent rections affecting his sugnear Recent unprovements with battay low tolony offeat Extent have put a very defferent comprexion The Eccerie Locor replace onthe cohole scheme, a new release the steam lacos Epoch is opening with Electrical There is no 3rd tail or Casuar of I believe of Enormour Complication the whole Extent? 2 To give you a glimpse. themos comer docon to I state that I propose To mostrumel & dagiceralem Sweened a tender of one car of ballery - only = Stacked to an Execuric Neco containing ballery place of a funky wellow which will about 800 House Nisturbanice - The Electric Dower & 45 minutes & give I Zone in Chicago is to be out at the rate of 1 1500 HP_ This is for the the Lunt referred so to Baldwur Loco works for 6= 20 miles hour, the Electrification of all weight of Train 1250 Tou

I am entain this well be a success-

On the alter hand on a follow road at wonderfor DC. If well along with

Sal makin. The altrage batter Care leaves the bank and at 6 am fucly al an gred run a fore a goes into

lhe Earn at 12 who might also fucly charged

It stop of menutes at each End a coe ram the Convent in so it makes the trip without drawing out the primary change

The old idea of Carrying change for the colole day is Exploded. I am driving

a one horse butcher delevery coagon with only 16 cetts 20 valt water, it starts changed in

the morning of at night

doen work over they boost at high donstry. Every time they come in

for alload = This vehicle

Cells for \$400. Have sald a locallary for outname 2500 HP changes 5 Hours desely 2 hours

The to come foreign good can't for out who

just get your thenking + one road at Concord clap on the kant will at MC has abambourd Anicaus to have or its trolley > sulvable Collony wheel Lengmann had made a well take un Enough botch of Con Jerman Co Coverent un 10 milioneles went whe ad with cold (you to run the vehicle against my advise + product 20 miles - Etc. with, a wow has he capital to go a weight of about 50 fts whend with new each, Hel per HP how; I shall hald basn't the relighted idea of off dealing with any body the Value cef the Callery a count it see out for a while on I camile there is here a beg Open for Gray farance - Beach Balley Car is now down to 248 les per sealed pourages

COMMONWEALTH EDISON COMPANY,

EDISON BUICDING, NEW NO. 120 W. AGAMS STREET CHICAGO, ILL.

118 10 al

Juno 8th. 1911.

Mr. Thomas A. Edison.

Edison Laboratories.

West Orange, New Jersey.

My door Lir. Edison:

Following our conversation of last Friday at your laboratory in relation to the use of storage battery lecomotives in connection with our branch line from the main line of the Chicago & Northwestern Railway to our now Northwest Station, I am sending you onclosed an abstract of specifications for two 60-ten locomotives which are already upon order from the General Electric Company.

I should be glad if you would look these over and advise me what battery you would propose to usefor this purpose, giving weight of battery; oar and trucks to carry it; ever-all dimonsions of same; space occupied by battery; and cost of battory and housing, complete, ready for the rails.

I should be glad, elso, if you would advise me whother you are figuring on your present type of battery, or the new type which you had in mind for this purpose as a finality, and if the former, when we may expect to obtain the latter type.

Please give me the maximum capacity in Kilowett hours of the battory, and mileage with normal load; also normal and meximum rate of charging.

L.A.F. HW

Abstract of Specifications for Two 60-ton Locomotives

Commonwealth Edison Company

1. General Design

steel platform carrying a steel cab and mounted on two articulated trucks equipped with standard geared railway motors. 6.2. Company's outline drawing T-844150

2. Running Gear

Four driving whoels and steel frame or locomotive type carrying draft gear at one end and connected at other and by hinge to second truck, the whole completely equalized.

3. Voltage

600 volts direct current.

4. Collecting Dovices

Both underrunning third rail and pantagraph trolley.

5. Motors

Four type GE.-207 standard, box frame, commutating pole, goared, railway motors.

6. Control Equipment

Type "M" single unit, two master controllers, seven steps in series and five steps in parallel.

7. Capacity

A. At rated load of motors, tractive offert 15,000 pounds; the speed 8.2 miles per hour; total input 460 ampores at 600 volts.

B. Maximum instantaneous tractive offort for starting possibly 30,000 nounds, input 425 amperes por motor assuming 26% oc-officient adhesion. The tractive offort is equivalent to 1020 km, at moment of starting, and after that an average of probably 300 km, normal operation.

Louis Ferguson Jahn of plates in the same coll hence its great Charge 4 disely rate My Dear Forquesa If you contemplate leng your road within & mouth it would 62/ The locomolog type of Eathery unless to wait for Could not be furnished for several month, I have only the new design, Thepresent one port take felling maching wheat is very complicated 1/4 mol tuck canal to made to charge more to twin out cccs rapidly Knough for Loco in quantily - The loca Catteen lipos tubes 1/8 work of mich in dia whereas The Down Truck or auto Galten have tubes of 1/4 male The small tubal permits of double the whenber

OS- R. R.

Baldwin Locomotive Works.

William L. Aastin! Basidoni. Silva B. Johnsen! VinBast om Toosarer! Samuel M. Vanclain! Gooral Seprintendent. Milliam de Kraffl; Geretaryouts hit. Troos!

Philadelphia, june 21, 1913.

JUN :22 [9]

Mr. Thomas A. Edison,

Orange, New Jersey.

Dear Sir:-

Kindly refer to our letter of May 27th and advise to approximately when we may expect the information requested therein. We can realize that this may require some consideration.

able figuring, but we are anxious to proceed with our layout as rapidly as possible.

Thanking you in advance, we are,

Very truly yours, BALDWIN LOCOMOTIVE WORKS, ELECTRIC LOCOMOTIVE DEPARTME

We are pushing the Experients as fast as products, we are just as

seems to be solely a question of keeping the heat down by blowing today with have a reweaker of blowing se will lest

Form No. 2601

THE WESTERN UNION TELEGRAPH COMPANY.

24,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD.

SEMD at a standard measure publicat to the terms

.

Boldwin Locomotive Works,

Philadelphia, Fa.

We have data on atorage buttery for locomotive. Suggest your electrical engineer come to Laboratory to get explanations.

THOPAS A. EDISON.

or 10%

PRAD'THE NOTICE AND AGREEMENT ON BACK.

My Dear Furegoon Lyend you agent of letter to Backcom Jose colly which is Confidential - you can tu this talk over to Sargen

E.R. Hua

CONSULTING ENGINEERS NEW YORK

PENNSYLVANIA STATION December 7, 1911.

May that we have made a host of texter Oranges, on a special Conting suitable for 1000 hiera-Oranges. Revision of the Backware New Jersey. Receive Little and work have been solely on Mr. Thomas A. Edison. The buttery tender of the loco - 00 ten

Dear Sir:

As consulting engineers for the Chicago Chamber of Commerce

Committee on smoke abatement we are considering the use of electric power for operating railway terminals, both freight and passenger, and, consideration to the latest development in storage batteries in Co electric locomotives, especially for yard switching purposes.

In a large freight classification yard there are, of course, difficulties in the way of installing third rail or overhead trolley, and the storage battery locomotive if commercially practicable for this class of service would possess many advantages.

We are writing, therefore, to ask that you advise us as to the feasibility of your improved type of battery for this class of service, and that you give us some Conoral figures on capacity, weight and cost, which may safely be used in our present preliminary study of the question.

Such a locomotive of the type indicated should be capable of the same performance as a steam switching locomotive with four pairs of driving wheels and having a weight of about 80 tons on the drivers. The speed of the locomotive would be from eight to twelve miles per hour, depending on the load handled, and it should have a maximum draw bar pull of approximately 40,000 lbs. The average load would, of course, be small as the service would vary from light engine movements to the maximum train above indicated, the majority of the move-

of have no data as to the focumative theely-They regumed sufferent storage in the Gallery Can to supply power at rate of 1250 HPfor /2 hour delivering the period 10 miles and of therety to the steam hours The lose then draps to tender & proker up a fuctione a is heady to take a train bolek = The drapped can is changed in 50 menutes grather secondy to be used again - This aquated takes place atteach endy = our test shows that this Can be done, The whole moestment to Electrify will practically be only the betterny landers as Convent can be yet 22 hours per day by substate below the Existence Light Class who will sell very the de touthing reind afwork = The only denot to rape? Tahaying is heat this so for is like Court by four ventualing in the Court grow well 62 pleased to good them

ments being not more than ten or twelve care. In the present case the average conditions would be equivalent to lovel track, but grades of from .5 to 1 percent would be encountered.

Will you kindly advise as to whether you are in position to furnish batteries to meet the service conditions above indicated, and if so lot us have full particulars as to weight, cost, rate of discharge and charge, time required for charging and other information bearing upon the subject.

Very truly yours.

Libberthies

S/KRH/KWP

Baldwin Socomotive Worr

Philadelphia, December 8, 1911.

Mr. Thos. A. Edison.

West Orange, N. J. near Sir:-

Last July, in company with your plant and had a very inter Lelie Cock or your new storage battery which we were considering using in un electric locomotive. At that time you gave us addards a showing the charge and discharge rates, with temperatures, etc., afalange of discharge = for the C-8 cell.

Recently I have noticed that these batteries were being used very successfully for running street cars, and I am now asked by the Chief Engineer of the Chicago Electrification and Smoke Abatement Committee to find out from you whether there are any late developments regarding this buttery, and whether you have any more positive and complete information as to the actual working of these batteries instead of the test cells upon which your experiments had been made last July. If there are any later developments or any further tests, we would be glad if you could send us a record, as we wish to make a report to the Chicago Commission on this subject.

Yours very truly.

Hindu Consulting Engineer.

40 unles hour also & 5 Can train for 40 judes hour, with The Cells of under Carrow Sents, Theresums to 62 unlimited sales Care to Rhitways who event to discard under on Paranoli lines Makin may gada is impled could involve the finglish the property of the property of the property of

Guble Address "Edison New York

Trom the Laboratory Thomas A. Edison!

Crange, N. J. December 15th 11.

Baldwin Locomotive Works.

Philadelphia, Penna. Attention Mr. Geo./R. Henderson--Consulting Engineer. Dear Sir:-

Your letter of the 8th instant regarding storage batteries for electric locomotives received. The only new development to date is in the manufacture of special machinery, now in the course of construction, for our 150 ampere hour, storage capacity cell, and of which we are now producing 400 cells per day.

Some improvements have also been made in the mechanism of the cell, and a number of experiments, now on test, show great possibilities for further improvement in rapidity of charge and discharge.

Mr. Beach has cars running at \$5 miles per hour and he is now byilding some to go 40. /In this case the cells are under the seats or under the body of the car.

here seems to be unimited sales for these cars to railways who want to discard steam locomotives on their branch limes.

Yours very truly,

Baccame la co coarli-

The is no new developments except, the Endward texts now running on the special Colds for Las ome for a color pour of the some new variations to unproof the laptory of charge adevelope

WE book to about halffenished the special maching to Many of the court 400 Ceth daily 4 hape to have it in opportunity in 4 months

Juz France orga

Edison General File Series 1911. Battery, Storage - Submarines (E-11-23)

This folder contains correspondence relating to the use of Edison's arga battery in submarines, torpedo boats, warships, and other naval vessels. Although there are a few Items in Edison's hand or bearing Edison's marginalia, the documents consist primarily of typewritten letters to Edison's marginalia, the documents consist primarily of typewritten letters to Edison's more list being a social representative in naval matters, Miller Reese Hutchtson. Some letters are addressed to Frank L. Dyer in his capacity as vice president of the Edison Storage Battery Co. Other correspondents include foreign associates Sigmund Bergmann in Germany and Maurice E. Fox in Russia. Most of the documents concern attempts to elicit decisions by the U.S. government and foreign governments regarding the purchase and adoption of storage batteries for naval vessels. Some items pertain to the comparative performance of Edison's and competitors' batteries. Also included are articles from foreign newspapers, which were translated on Edison's behaff during his trip to Europe in 1911.

Approximately 90 percent of the documents have been selected. The unselected material consists of unsolicited correspondence, routine letters of acknowledgment, and duplicates.

January 10, 1911

My dear Br. Edinon,

As a number of my calculations re-Sabmarine Eattery, I beg to submit the following approximate figures:

The Type S-T9 Coll, consisting of T9 S Positives and 20 S Wegatires, will weigh, filled with electrolyte, app. 505 lbs.

It will give 4788 Ammera Hours at a three hour rate, 7 hour charge.

A beat of the Cuttlefish Class, Juring 102 of these calls will have bettery enough within where 6,000 line of lead battery enoughing some bunks, after all fittenine etc. Now Bern attachen to battery, much as worting getter etc. One till provent use of very pach land ballant to etc. up major.

one charge at a 6 hour min, a separate 50 hours, (5% hour min, as special so hours, (5% hour min, as special so hours, (5% hour min, as special so hours, (5% hour min, single with the heat hours, it can not not not so for the source of the

On the three hour rate the less deer M2.74 knote per charge, and we can do 38 knote mure und A3.5 knote possibly, equivalent to increase of 65% and 90% respectively.

If, within the next live years the life excises of lead only in use in we bester we get the term but try leadant of the present without he located in the life the lead of the lead of the life of the

6,218 H TO Galls will contain of 57,587,587,008 h those, 1,082,389 Hickel places paving the h twos, (A size) 1,188,360 Yron places, (A size) Equivalent to 260,304 A-C colls, the labor and reterial of counting the plates on large grids being shout equivalent(*) to enchang our for four plates of positive and 5 of negative.

You are saling A-4 Cellu at a price per actual horse Power Hour of \$49.41.

The price per actual horse for \$100.00 per K.W.Hr. of the S-19 cell, you get the continuous of \$1.00.00 per actual H.P.Hour, or about 50% more. While the \$4 this plate will cost here than the \$4 this plate will cost here can the \$4 this plate at the present thing. I have all this down to

turning the S-I9 cell out in quantity, your production will have out down your everhead expense so that the \(\frac{1}{2} \) tube can be made for the same or permittly less than the \(\frac{1}{2} \) tube place now.

The equivalent of 6,212 Type 8-19 solds in 2-4 colls in about 260,004 in material and labor, renghtly entirated on your promon capacity basin of 300 A-4 colls a day, 1 would appear it will take 2 years and 10 norths to turn out 6,212 colls. It is therefore appeare that the business is worth going after. It is the additional advantage of being good pay and no bad collection account.

You will find all subservine boat and bettery date in a note wook in your dook, and one in my files. This will be added to as more data mountaintees.

Data percaining to subsarine boat tanks ato, as accommand, being classical to Trea Rigorous received from Ricetric boat Co. (hefers they seem to be five, seem of the confidence of the confiden

I truet you will Yant the figures of durant and potest anterential. I am so incurrent to looking country into the control of the order of the control of the

Color of the state of the state

Battery - Boot

MILLER REESE HUTCHISON ENGINEER 50 CHURCH STREET NEW YORK

CARLE ADDRESS MASSACON NEW YORK

January IO, 1911.

My dear Mr. Meadowcraft.

I am enclosing mine data sheets re. Submarine Cells. I will appreciate it if you will have three sets typewritten about as arranged on the "Adder" sheet with which I took more pains than with the rest. One set goes into a book for Mr. Edison's desk, with the other data I gave you. The other set goes into a book for my Submarine files together with a copy of the data I gave you today. The remaining set of these mene pages I would like to have for my pocket book, as mine are made out with pen and ink.

I may not get over to the Laboratory today unless that data comes in from Washington. I suppose they are sending it by mail instead of telegraph and I am anxious to check up on these figures as quickly as possible. If those Navy fellows did anything in a hurry they would faint from over work.

I will be at my office practicelly all day after II A.M.

Militatum. Midian spoke of guing a series book to part we then better from the fish in Jungth see when he Jupes so the sign & har I suggest it he legal paper.

Battery, Storige - Sub. 4

January 13, 1911.

Mr. Frank L Dyer, Vice Pres., Edison Storage Battery Co., Orange, N. J.

My dear Mr. Dyer,- '

I am in receipt of your letter of the 10th instant, and it will afford me a great deal of pleasure to keep you posted as to developments in my Mary end of the battery business from time to time.

The next move is to build one of the S19 cells and subject it to actual subsarine canditions. The loading machine for 1/8" tubes will soon be finished, and the rest of the work can be done by hard, without necessitating very many tools.

voltages and have different buttery tank capacities than the American boats, I think I have one stored, and all, which in neight and width, will all I have one stored, which in neight and width, will all for the "Adder" class type of submarines for the "Adder" stored by the stored

at thespasson new butteries are being bought for submarines by this Mavy. The present batteries are being patched up and made to do, until our battern comes out.

up the political influence and head a very difficult job to break to the political influence and head upthe sinch the Bolland Boat Company has enjoya up to the present time. Heretofore the Sovernment and the political part of the political that the political parts and the put in, provided the boat would come up to her mileges per charge and apsed on the trial trip. Also remeable parts, such as plates, separators etc. had to be purchased from the Retoric Sattery Company, the Holland people got their rake-off. The prece of such parts from both companies was the same.

I first succeeded in pointing out and proving the allaince between the Holland Boat Company and the Electric Storage Battery Company, I followed this up by putting it up to the Depart-

ment whether they wanted to continue under this yoke or throw
the yoke off, and specify whatever battery they wanted to use in the
boate, I wanted not time very plainly by the Holland Company,
boate, I wanted to the up with them and supply submarine type
batteries exclusively in this country, that we could not sell any
batteries to the Government. I dispred this assertion by going
to Washington and selling a complete submarine battery equipment
for the Cuttlerieh, at an unmaned price, indefinite delivery
and indefinite capacity. I also burrowed the Cuttlerien to the
content to experiment with, after the Cuttlerien
sees and the selling a complete submarine battery equipment
some in. These asperiments of the country of course with the
ansistance of the boate.

The content is the country of the course of the course with the
ansistance of war been finished, specifications will be drawn, to
which all submarine butteries must come up, or they will not be

Argor I had sold this battery outgreent and was playing sits, I told the submarine people we did not care to comitaer things with them at the present time, as Wr. Edison is averse to contributes on anything which he has not furthered and thorroughly bated to his satisfaction. I therefore left the matter open, and their representative departed disappended, but thepeful. I did this without committing courselves in any may, but fixed it so that if we need any information repracting dathies of the submarines, which we night not succeed in gotting otherwise, that we would be pretty got to got them from the Holland people.

Up to the present time I have pumped them day for all information and tabulations, and therefore we are independent of them.

submurinos in the most arriting in to line up all the foreign at an early date as to the musber of boxts, total number of submurine type cells needed by each country, sto., as I have lined up the U, S. conditions.

Department, the request is earnestly repeated that we do all nour power to finish the duthleftsh batury, so that the tests can be completed endepositications drawn at the earliest possible date. We are all bending our energies to this end now.

I have been confined to my deak figuring over, and checking up on the submarine data, to the extent that I have not been to call on Mr. Dyer Smith for further consultation regarding patents Mr. Edison wants filed. I hope to be a little easier next week.

Yours eincerely,

My dear Mr. Edison,

Herewith draft of reply to the Electric Boat Co. When Spier reads this he will be interested.

I want to keep their friendship without allying ourselves with them, and have shown how we are being encouraged by the various Governments and the interest and confidence that exists in the success of the final outcome.

Polite way of saying, "we esteen your friendship but dont need you to sell our batteries".

Having failed to land us, they will next adopt the battery, when it is ready, and advertise that fact, to stand in with the various Governments . I have already gotten the U.S.Navy Dept, under the impression that the battery is much bigger than the boat in importance, and now they are considering building their own submarines.

If we only had the time to get out a submarine, it would be an easy job to clean the R.B.Co. up in a short while. They have got to make a hit in some way soon or lose all their friends. They see in the Edison Battery what they are looking for.

Sincerely,

January 24, 1911.

Mr. Thomas A. Edison, Orange, N. J.

My dear Mr. Edison,-

By the enclosed clipping, you will see that Br. Plint is interested in a new submarine boat proposition.

Knowing that you and Mr. Flint are friends,

I am drafting the enclosed letter which I thought you might wish to send to Mr. Flint.

Yours sincerely,

January 26, 1911.

Ur. Thomas A. Edison, Orange, J.J.

My dear Mr. Edinon,

We are about to come into pensonsion of details of minarine and other Mayal matters pertaining to storage battery adaptation, from the leading Powers.

It is quite an extraordinary position to be placed in strictost restraints and hold in confidence of the preserve the strictost restraints and hold in confidence of the preserve the strictost restraints against the standard that the continue the preserve the standard that the continue the strict of the standard that the strict of the stri

I have had considerable dealings with Navy wen, and unless they get it straight from you that they can talk to me as they must, they are going to hold back, and we are going to run chances of failing down somewhere.

can soud, with your signature and approval are canh case, to the Maval Attaches an I take then you can a canh case, to the Maval Attaches an I take then up, one at a time, for education in the battery detail, and assistance of proparation of the reports they will have to send to trear Governments.

approval all letters written by me to acquee in connection with the battery etc., and danues with you all matters relating to adaptation or quotation before sending out and request your O.K. on copies retained for reference.

Sincerely,

[PHOTOCOPY]

Cuble Address "Edison Viv York

Trom the Laboratory Thomas A. Edison,

Grange, N.J. Summery 27.

ieut. Commander Carlo Pfister, 1. J. 1400 Now Hampshire Avenue, Washington, D. C.

My doar Sir:

I have your valued letter of the find that. for thank you.

I wish to mivine you that an expense and confidential representative, Er. Hiller Rocae Butchisov, Em. Incer. with headquertors here and at his private order, "O. S. Claure states, Lev Irri, is in charge of the adaptation of my bettern to subscribe and other requirement of the United States are all Procing Davies, and other trenance of the united States are all Procing Davies, and extensive the requirement of the united States are all Procing Davies, and states the condition that the condition of the procing of the process of the procing of the process of the procing of the process of the procing of the process of

It is because of a full realization and approviation of the confidence imposed by the various Governments in providing pine continuence imposes by the vertices Governments in providing the encourage information to enable us to meet requirements, that I prefer all matters perfaining thereto to pass through it. Intelligent he can be depended upon to maintain strice noutrality and help in confidence any and all information imported to him.

Then we receive orders from you for batteries for your many, we will take every precention against any information as to the meas of the purchaser becoming known to anyone except such bounk or individual as you may designate for delivery to be made to.

Mr. Hutchleon expects to visit Washington in and will, if you desire, cell and discuss details of my De

Submærines (19118)

mw Edison

Mor will find attached a sheet of companion between an Edwar Submarine Battery and a Tudor (German) Submarine Battery for our of the Submarine Boats the Electic Boat Co. and to build for a Foreign Government.

This was deduced for submitting to Spear by Edgar and Is correct:

You will 522 the difference in cost tor Equal capacity is 3.02 times That of the Tudor.

The Tudor got the order, saying they can put in a new Battery erry year for hais of our 3 year guarantee of 50% or Rated capacity. If we could have quanted capacity for 4 years or would have made no show up tetter

[ATTACHMENT/ENCLOSURE]

CCAPARISON OF TUDOR AND EDISON BATTERY. FOR DESIGN 45-A BOAT ELECTRIC BY AT COMPANY TUDOR TIPE 19-A-305 WITH INSULATION. EDISON THRE S-10(0x3) WITH INSULATION EDISON THRE S-10(0x3) WITH INSULATION EDISON THRE S-10(0x3) WITH INSULATION HEIGHT-EXCLUSIVE FULES. 10.37 S.35.5° S.36.25 I.37 I.30.6235 I.37 I.30.6235 I.37 I.30.6235 I.37 I.30.6235 I.30.623			•
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177 8000	40	4	0021

ATTACHMENT/ENCLOSURE

45 lbs per KWH 10 A4 112 m/suloun is double the coardit with head neady twice us he roy a steel a need much the wit to you whenther These weights of 155 for lead 4 142 for Zolum Licks fishy - I don't think this data wice grand Mostegalion

Dear Mr. Edison,

Commander Vasualieff is an enthusiastic convert. We had been loaded up pretty well by the lead people, and was somewhat skeptical at first, but I sailed into him hard and sound up ye short-alreading ab A-4 for 122 minutes and letting him watch the armeter and thermometer. That convinced him. I suggested that he call on the lead weeple and get then to repeat the performance on a 150 A.H. cell. He smiled.

Neform he left he asked me to send him a complete suhibition cell for putting on his desk in Washington. Also Enchlor cell and a complete exhibition board for him to send to Russia to be hung up in the War Gollage, for the Havel Madhataman to be taught from. He will start a course of instruction at ones.

When I offered to write his report for him, ready for translation and forwarding to Rucaia, he was enthwainstically grateful. Enjoined me to secrecy about it, but will be glad to get it.

I have not the Arazilian Attache coming in a few dayswish those fellows could talk kmalish better. Denot of a job to explain a battery to such a ran

Thought he would never get tired of looking, no I made him walk to the top of the phonograph building and into that wax room before he got his wind, and that finished disk. Then took him to Toyest Hill on the Beach our and Beach took him on to New York on the train.

He asked we especially to express his high appreciation of the photograph and inscription thereon. Marveled at the handwriting.

Sincerely.

March 1st. 1911.

Mr. Thomas A. Edieon, Orange, N. J.

Dear Mr. Edison .-

I have just returned from Washington.

in Edison Battery for portable and stationary telegraph apparatus, and sold them two B-2 and two B-4 inpition outfits, which they are going to test and find which eize is best eaited to their requirements. There is every indication that only Edison Batteries will be used in future for this work.

and find they are very markous to adapt the Brathery to gun sighting and gun firing. I advised tan D-2 cells in a 2023, and they asked me ôo dosign up a box that when the beauting of the control of the

provision they are making toward supplying light in the magazones in case the ship light circuit goes off. When you stop to think of it, when preparing for battle, all bollere are being brought into commission hurrically, and sudden spurts of speed when maneovering for position, tends to slift the water in the bollers, (commonly known as praining the state of the speed when maneovering for position, tends to slift the water in the bollers, (commonly known as praining will effect in the bollers, lowest in the state of the state of the small canding, such as it used to run a dynamo, such more than a large engine, causing sylinder heads to be blown off, and the light to go off. I suggested that they install one hundred A-S cells to supply their one hundred 16 c.p. lamps for six hours, and insue orders for the magazini metallors. The thrown onto them; as the supply their one hundred 16 c.p. lamps thrown onto them; as the supply their properties of the supplied o There is every indication that every Warship will be equipped with Edison Battery for magazine lighting.

are compelled to earry storage between the destroyers against a light. These batteries are not used except for such as a light. These batteries are not used except for such as a light factor of the second and the light factor of the second and the light factor of the second and charge the batteries once a month to keep them in condition, and this, in the limited room shoard such a craft, is undesirable. The shillity of the nattery to reatin charge, commends it for such work, and the Ordnance people tell me I am pretty sure to get all this business.

Hatteries can be used in the Navy, and only regret that I am not at liberty to work the Army and as well, as I am sure I can show immediate results. As I understand it from the. Nee, there is some young man in Washington who is trying to interest the Army, but whose progress he had been to be a trying to interest the Army, but whose progress he this job with a full head of stan, and am in as close touch with the Armies natural as with the Navies of the various countries. I also realize you are supplying stock batteries at a loss, and do not feel as full are should aspect a commission of court in this line are at present a labor of love, which I am very glad to do for the good of the cause. But when I do soil batteries to the Army, indiged you want me to, I think it would not be right for someone did to stick you. If the arm of the standard is the stick you can be a profit on this class of work, I will of course, expect to receive a commission, but I am originately in the true. Submarine end, the batteries for which will of batteries used in signal, force and various other Departments of the Army, and they seem to have a much free right for which will of batteries used in signal, force and various other Departments of the Army, and they seem to have a much free right in civing orders for supplies than the Sayy Department has.

Mr. Thomas A. Edison.

March 1st. 1911

The Lead people are doing their best to harmer us, but I run down to Washington often amongh to talk with the Officials, getthen to put the questions to me, and refute the statements of the Lead people, by actual curves and data actual performance of Wilson Rattery.

Sincerely,

CONTRACTORS TO H.M. OFFICE OF WORKS. ON ADMIRALTY AND WAR OFFICE LISTS.

1, VICTORIA STREET,

NIXON & MANNOCK,

ENGINEERS.

PPM/J.

ord March, 1911.

VALUE NO WESTMINSTER 4167.

AND THE PROBURY PAVEMENT HOUSE, E.

KW 13 GII

Dear Sir,

when you relater to us of the 20th Ontober last, when you were good enough meeting to sention that you were building a large cell for submarines, to give heavy discharges and discharges and the sention of the United States Ooverment, we have not heard anything from you although we again wrote to you on Pebruary 237d.

We trust that your experiments have been successfully carried through, and we shall be pleased if you would communicate with us at your earliest convenience.

This matter has been on the tapis for our Admiralty since September last, and I am really anxious to talk business with you, which you express/your willingness to do in your last letter to us.

Trusting that we may have the pleasure of a communication by return of mail,

We are, dear Sir,

Yours very truly,

Nixon & Mannock.

hain Zu Manus

Thomas Edison, Esq., The Laboratory

March 25, 1911.

Meesrs Nixon & Mannock, No. I Victoria Street, S.W., London, England.

Gentlemen,

Your letter of the 3rd. inet., addressed to Mr. Edison, has been referred to me for attention.

At present we are not in position to take up the matter of opposentation in Repland on the Submarine business. The manifested interest in the Submarine Cell has been as great on the part of the United States and several Ruropean Navies this business aircst Quit of the present at least, to take care of this business aircst Quit and Battery Works and have, as a result, unanimously decided that the Mateon Battery will be used to the exclusion of all other types in Submarines in future.

The ordere already in hand are necessitating a very large addition to our manufacturing facilities, and the outlook is most encouraging.

Should we feel in need of assistance in Great Britain, we will certainly bear you in mind.

Thanking you for your interest in this matter, and regretting I cannot make any definite arrangements with you at present, I remain,

Very truly,

Personal Representative of Thomas A. Edison, in Naval Affairs.

Electric Boat Company, New London, Conn.

Gentlemen,

In the matter of supplying you with One Hundred and Ninety Two (192) Type S-45 Edison Cells, for use in a certain submarine boat as outlined and discussed with your Mr. Edgar on this date:

If, in charging, the temperature of the pilot cell does not exceed One Hundred (100) Degrees Pahr., and if, in discharging said cell temperature does not exceed One Hundred and Thirty Twe [135] Degrees Pahr, the location of said cell to be at the most disadvantageous place in tank, as to occling we will guarantee that each of eaid One Hundred and Minety Two (192) Gelle will show an output of Major Whine Hundred and Ten (8910) Ampere Houre when discharged immediately after full charge and down to One Volt per cell, at the two hour rate of discharge.

If the hattery is installed and operated in a manner approved by us, we will further guarantee that the colls will be capabled of delivering Manety (90) percent of original guaranteed rated capacity above referred to, at the two hour rate, for a period of Thirty Sim (30) months from the date of initial charge, and if within such period of thirty eix months the collectail below ninety percent of said guaranteed capacity, we will replace the positive platee free of charge,

months from the date of initial charge the capacity has gone down to minety percent of the guaranteed capacity of eighty nine hundred and ten ampere hours we will, if you desirey provided the cells are to be used in the same boat renew the positive plate at a cost to you of firty [50] percent of the original price of the backury you to furnish the common labor to emails our ways to the context of the context replacement at such Havy Yard where the boat may be located.

The price of this battery of one hunfred and ninety two (192) Rundred Dallar (3265, 500), f.o.b. Orange, N.J. This will include the services of one of our engineers to supervise installation of battery in the boat, you to pay his travelling expenses and keep from time of leaving the factory until his return, not to exceed ten dollars (\$10,00) per day.

The electrolyte will be shipped in separate drume, which remain our property, and which are to be returned to ue at your expense as soon as they have been emptied into the cells.

R. R. 1. (2)

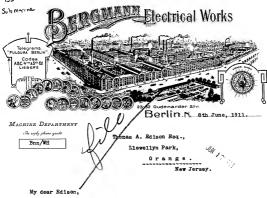
We can make delivery of the above mentioned cells in Eight (8) months from receipt of order, provided such order is placed within six months from this date.

Yours very truly,

Edison Storage Battery Co.,

President.





I confirm my to-day's telegram as follows:-

"Can get order for two submarines for Italy, one for "dermany, 90 cells. Our estimate based on twhea at "two point nine cents each, as you offered us first. At "hat price can you furnish three million twhee for this "order? If we materially increase price, cannot obtain "order and lead batteries will be used."

I think this telegram is plain enough, but would once more impress upon you that, if you really wish to obtain these orderafor submarine boats and thus introduce your batteries into the marine branches of the business, it is absolutely essential that you should keep to your old price for tubes, as there is, in any case, an enormous difference between the price of the lead battery and your battery, which people over here are not very inclined to pay. On the other hand, I think it essential, if your battery is to be introduced for

1

-2-

Thomas A. Edieon Esq., Orange.

marine work, that we should not allow these orders to pass us, as this seems to me to be the last and only chance. If once the lead battery gets in, it will be a most difficult matter, if not altogether impossible, to dislodge it again.

All other circumstances are, of course, favourable for the introduction of your battery; the tests on the batteries we placed at the disposal of the Italian Navy gave very good results for the Edison battery as compared to the lead battery, the German Naval Authorities have promised us an order, provided the Italian batteries are eatisfactory, and, if the French tests turn out well, as they are sure to do, we shall also probably obtain another order from that quarter.

In order to obtain thesepreders it is, however, as I have already remarked, sheclutary essential that you should ashere to your old price of 2.9 cente per tube, for which price you have already supplied ue with tubes and positive plates, type A, as the increase from 2.9 to 4.3 cente would be absolutely fatal to the business.

As it is positively necessary that we should give the Italian Navy a final snewer as soon as possible, I would ask you to cable me immediately on receipt of this letter (if you have not already done so in reply to my cablegram) whether you agree to the price or not.

Youre eincerely, Duhmann.

P.S. If you cannot supply the tubes for 2.9 cente, please state your very lowest price for same.

OB New York June Thos A Edison, Orange NJ

Edison New York Can get order two submarines for italy one Germany 990 cells our estimate based on tubes at two point nine cents each as you offered us first at what price can you furnish three million tubes for this order if we materially increase price cannot obtain order and lead batteries will be used.

The state of the s

Impossible reduce price tutro, you are injuring future business by making love prices except in your territory, scan prices except in your territory, and prices hundred twenty fire Kilowatt hour for Eighth inch tube large Tube not suitable for tathers surracines, days for a tutro a surracine and surracine across as explosion.

Controller why don't you develope business in regular lines and leave bubinarine alone with

[ATTACHMENT/ENCLOSURE]

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THE BATTEVATE APPLICATOR BATISSABLE BY
YOU ALIZZATO SUBMARINE BATTERT OF THE
ATTOLERATA BROWNE THE BELLHED EXPOSINGS
BATCHARAS SMILL TUBE SUBMARINE CRACENTEN
KWHOURS DELIVERED CAPIROPOLO LARGE TUBES
BOMASSUS BATAVIQUE SUSSIDE TERRITORIS
EDISON.

[ATTACHMENT/ENCLOSURE]

MEANING CABLE WORD -Tube TUBE Price cannot be reduced BATTEVATE Great mying has occurred APPLICATOR In consequence of low prices BATI SSABLE Ву BY you Yo U Better hold 177 for the present and await Jurther developments ALIZZATO Submarine SUBMARINE Battery BATTERY By ВY There is great necessity for ATTOLERATA Sufferent protection against BEILHIEB Explosions EXPLOSIONS Lower puce BATOCHARAS SMALL Small Sure TUBE Submarme SUBMARING \$ 12500 CRACENTER Kilowatt hours KW HOUR Large LARGE Zuks TUBES

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Tel. 200 Ora 209 Main St., Orar	nge		NNECTION WITH THE	MP.	JOHN O. STEVENS,	Secretary
No. of Words,	29	A CO	METRO MAXAY-BENKETT)	V _	June 12-11	
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Jeligram To Beigmann-June 1911.

Fulgura Berlin.

Calybion — Han for record on telegram
Ebraiche - 07 June 9. "
Regarding Regarding
Sithmarine Submarine
Balling Balling

Edvan:

W.W. Fel la. Of of to Bellengto.

Duelin

Buttery Storage - Subs. 4

Memorandum for Mr. Dyer.

June 22nd, 1911.

My dear Mr. Dyer,-

Confirming conversation had with you yesterday:

ment, that this wan Courtney has been "knowling" the Edison Battery very hard, and that if he continues to do so, he will, no doubt, do us harm. In justice to these Officers, I cannot give their numes.

Statement was made by Courtney to Admiral Cone, in the Rollson Battery, when operated at an air temperature of the state of the rated capacity, the operation of the world give but 15% of the rated capacity, and the state of the part of the state of the

The next remark in Americal Come's presence was, that the Third Arenue Rievated had adopted the Gould Battery because of its great about the foliation. He made certain etaleted the committee of the foliation of the two cells, stating that the Gould is co much more efficient, that the Edicon was put entirely out of the running.

Purther pastweent was to the offset that a test of almost a year at a Davodayn havy fard had disclosed the fact that a year at a Davodayn havy fard had disclosed the fact that a year had not been almost a proper method of testing the contrary notwiths landing. I expressed doubt as to the Proper method of testing the contrary notwiths landing to the testing the not be reported by the same of the proper method of testing the contrary notwith the testing has not be weeks ago, and they made tests which show that the colle on, ryial there exceed by ten or fifteen percent the majority of a gandities operated under the nothing was done after the electrolyte had hadroned by the contrary of or the same than the collection of the same and found the filling the same of these collections of the same of the collection of the same of th

The next remark made in the outer office, was to the effect that the Adams Express Company were disappointed in the Edison Cell, and were putting on lead cells much more rapidly than the Edison.

The next remark was to the offset that the tests and what, first Courtmy had heart of the Raison coll had robbed him of, all heart of the Raison coll had robbed him of, all heart of the remarks and that he did not consider and that he did not consider the remarks here there is no and effort to invastigating them for the purpose of putting them on Submarines.

I have heard from several Departments that Courtney had taken the trouble tocall and talk with the various men commetted with each Department regarding the Edison Battery. Hisselatement were all derimental to the battery, and it has become a standing loke in the Mary Department that Courtney has his hatchet out for the Edison Calif

Insumuch as this young man came to the Laboratory and spent all of two hours only investigating the Reisen (cell, whereas, other Many men who have come down, have spent anywhere spendedness of four or five days investigating the same, at the end of which time they state that they could spend to a great cavariage three or four wocks, I do not think that he is an possession of sufficient information regarding the battery to express any opinion whatcover regarding it.

As to any statements which I have made to Counting or others in the Many Department, I have rever made a statement finishing in the Many Department, I have rever made a statement for Washington. The great trouble neems to be that the Sideon row washington. The great trouble neems to be that the Sideon was the tendency of the coverous, so many chipscribus to the lead cell, hat we cannot expect to have anything but sicepississ, obtain for some time ones, what I object to it, house it do not time it is considered and when it is to be seen to be referred. By the server of the lead of the seen to be see

If he would take the trouble to come over hore and spend four or five days in locking into the matter, and would advise us as to these regresses he in hearing saking for a rebuttal or noknowledgement of the attrocky of the sume, we would give him the straight of it without fear or favor.

I do not consider it judicious to skim himiths matter in a way that would bring this man to court-martial; but simply to have him instructed to keep his mouth closed on both sides of the bench, until we have had the opportunity of proving that what we say is correct.

I have made no claims of the Edison Battery, which have

not been justified by extensive tests made here in the Laboratory, by efforts in Washington cannot by characterized as over-zealousness, and we will have no difficulty in delivering the goods as I stated we can do. All ratings have been at 25% under actual performance the same having been deduced by a large number of tests in the baboratory.

I also have no feeling in the matter, as, personally, I like Courtney very muchy He is simply erratic, and not well balanced in exercising caution regarding his statements,

In taking the matter up further with Mr.Townsend, I would suggest that you refrain from referring to the fact that I found one of the filling bunge of a battery at the Brocklyn Yard onen, when I called a few days ago. It may get the Brocklyn Yard fallowinto twobbe, and-I have plackeded up the matter to their cattefaction, and do not wish to have any projudice existing over there.

Yours sincerely,

Memorandum for Mr. Edison.

June 28th, 1911.

We have in our possession, a number of hime prints furnished by the Nawy Department, and which we may under obligation to the prints of the prints over need to be prints over the prints over the prints over the prints over given us in strictest confidence.

I am referring to these drawings continually.

It would therefore seem that it will be necessary for me to have a safe of at least 48° clearance in size, in order that these drawings and now drawings which we are receiving from time to that the hard began that the large thas the large that the large that the large that the large that th

Inamuch as I am using these drawings conctines lats into the night, it would not be famille to lock them in some other safe.

No doubt, a second hand safe can be acquired in New York, which will fill the bill.

M. R. Hutchison.

Mr. Dyor:

August 4, 1911.

About two works before Pox left for Russia I wrote Commander Yessilieff, Russian Haval Attacke, Washington, who visited the Leboratory, asking for a letter to the frontier officials so that Yex might go through unmolested with his sumplicious looking betterior.

I received no roply, and get such a letter from the Consul here in New York.

When Fox arrived he found the Russian officials very much prejudiced against Edison Batteries because of Borgmann's failure in menufacturing them.

I roseived a cablegram from Vessilicff on the 25th ult. acknowledging roseipt of my letter, forwarded to 5th Petertiburg, and asking that Fox call on him at once.

I cabled Fox to do so.

I roceived a cablegram from Fox on August 1st saying that I should look out for Vessilioff, as he is causing a lot of trouble. Full particulars by mail.

Durmising that Fox had not called on Yossil if f because of antagonism from rumors he had heard, I inseediately cabled Fox to call at once on Yossilioff and hund him a copy of our Submarine Battery guarantoe, with the suggestion that he try to duplicate it from any other battery manufacturer. Also instructed Fox to report conditions fully by cable.

I have just received cable from Fox as follows:

at an ond. Officials hore interested. All complications on Molled you a letter giving full particulars. All colls filled and show good capacity. Trouble with filler

caps. Electrolyte creeps badly."

I therefore surmise that Fox did call on Vessilioff as instructed, with copy of Submarine Guarantee, and that this turned the tide in our favor.

The trouble he mentions as having with filler cap on the cells instead of the A-12, because of the fact that the tools were not completed on the A-12, and to turn them out by hand would have been very costly and consumed more time than we could spare. This trouble is of no consequence, as it simply means a few drops of electrolyte on the tops of the cans, which will not affect the capacity at all.

Thought you would like to know fully jet what is going on, and, finding you occupied, am imposing on Mr. Walker to transcribe this.

M. R. Hutchinson.

August 4th, 1911.

The state of the state of

Wy dear Wr. Edison .-

I sent you a wireless as follows:

A property of the second secon

"Hear Mauritania followed your example in going to the bottem of things. Congrat-ulations Charles" hirthing."

a decision to the description to a ten of the definition of

I would have given \$500,00 to have been present to see the expression on your face when tharles handed that you that distor of characteristic Your resurt that you expected to see Morse bob up in front of you in the middle of the Milantio was too good to let pass by, so I raked this old record up and prepared the surprise T. W. S. Carl C. P. S.

opparating magnitude that represents on the plant opparating magnitude that the properating magnitude of the properating magnitude of the properating magnitude of the properating and the properation of t

it gay and night until I find out if there are any bugs in it.

Vascilieff in Vasitization, such in for a latter to the frontier officials, so that he would not be maken to passing through with its assiptions to the free latter, as the supplication of the first of the free latter, so in due looking bettering I did not specify the feely to this latter, so in due looking bettering I did not specify a feely to this latter, so in due looking bettering I did not specify the congul. In May Tork, teset the latter, so in the latter is the latter of the latte Sala charlete for a On August of the T Superior & netlen man the

On the 25th instant, I received a cablegram from Vassilieff dated St. Petersburg, and requesting that I telegraph Fox to call on him at once at the address given in the cablegram. I

so talegraphed For. On August second, I received a cablegree from 20 talegraphed For. On August second, I received a cablegree from 20 talegree to 100 to 10 to 70 Vascilieff, as he was causing a good daril of trouble? I messettative conjuded that For had not handled Vascilieff properly; and that Vesciliaff we anisaconized in some way. The morning you skiled, when I returned to inclinate way rary much a letter from For, stating theretee on Reiceian Submarines, because of the acress to present made in degree, They figured it out that the Raison Exting was no good, or otherwise Bergmann would have made a success of it. For seal in his letter that he explained art out that the Raison of it. For seal in his letter that he explained returned of the call was making the old type So call and the suplanation censed to be say very mich action to presentatives of the Stateria Seat Company, and which was the supplementative of the Stateria Seat Company, and what the suplanation that they would see that the suplanation sensed that they would see that the suplanation authorities were made.

the night of the thinking over a callegram, se cabled him on the night of the third to call some on Yasellatf and give him a copy of our Symbacthan to call are not an and to dety him to reproduce on the stear of the term o

Treested this morning a cablegram, which, being translated, ready is farrows:

"Conditions (annit be condimined. All complications at an anni of Officials appear interceted, as getting at an anni of Officials appear interceted, as getting extended the conditions will be supported by the condition of the c

Rectless to say that I am delighted that the complioutions have been swept acids.

The trouble he is having with the filler cape I anticipated, beaute the \$9.9 came is not large enough to allow the \$-12 filler cape is too small to take filler cape to be inserted. They \$-6 filler cap is too small to take care of the gas from these cells, which must be charged very raphily. There is not gas from these cells, which must be charged very raphily. The state of the same of the cleartolyte is neaturally coming out, but this there is not saterially affect matters, as Fex has explained to then the real cells thas will be installed in the best built by the albitric boat despeny will have the new water separator, which will everyone. all this trouble.

Everything is going shead just as if you were here. Rverybody some to be taking a great deal of interest in their work, with a dealer to accomplish what you have laid out for them bedown the tarm; I am wery much pleased at this spirit, because usually much nike bloom goes sawy from any commercial enterprise, the rest take it as a signal to do a little leafing. This sendition does not obtain here.

tried to put over the plate. He seems to be a clean sort of a fellow, and above any such actions as this. I have had him up to the house and above any such actions 48 this, I have nan in up to the notace several times, and he seems to be a perfect gentleman and far above any such actions as this. It is needless to say that I have cut him out completely by reason of this performance,

I told Bob I thought it would be a good scheme to put up a notice in the Laboratory, that no visitors would be allowed unless orders were given in each case by Mr. Dyer, Mr. Eachman or unless orders was given in each ones by Mr. Dyer, Hr. Hachman or Mr. Milnr. incompt it would be an excellent scheme, and so has made and the manual of the sort of manual of the sort of manual of the sort of famny business. Your new electric has been reason of this sort of famny business. eent up to your garage, locked up, and covered over,

The hig Mors will be done Monday, and after being tested, will be done the same way. The little Mors will be then torn down, the engine overhauled, and likewise put away. Bob hus given notice that none of these cars are to be used by anyone until your return.

Hope you will have a bully good rest and compel your mind to be a blank whenever thought tries to creep in about the Labo ratory and what is going on here.

with my very best regards to all the family and your-

self, I remain. Yours sincerely.

St. Petersburg, Russia, August 6th. 1911.

Dear friend Hutchison,-

my last letter. Testing is now going on smoothly and the cells seen as good as can be expected, taking into account their newness.

Vassilief affair, but as you will see by my last letter, it would have cost a fortune to have transmitted such an explanation, and would have been unusted as the telegraph lines are considered to the coordinate of the decided and the officials are able to read nessages at their own sweet will. You no dcubt will agree therefore, that I acted for the best, as I allayed your canxiety at Orange by a few cables bords.

that the affair was point to asked previously, it was with the conviction that a was point was possible previously, it was with the conviction than it subsequently did. This was because the chief of the Subswrine Dept. happened to have been an old friend of the Marquis de Passano, and they patched the matter up between thom. When we show our tests to the Government, however, we are going higher than the Department, straight to the Minister of War, their superior. We are sure, therefore, of receiving the fairest treatment possible in this Country.

that the new electrices were not quite up to scratch, so I gave then the reversal treatment, with the consequence that there is gave then the reversal treatment, with the consequence that the the discharge curve is now much smoother. We are not yet receiving sufficient capacity however, but after more forming rums, they will probably improve. An interesting fact is that the voltages are in favor of those cells which have received the most rums, Sp. 12 highest, Sp. 13 next, and Sp. 14 and 15 the lowest. This is exactly the order in which thay were mude. It is even, then, that they only require more runs to affect their improvement, both in capacity and voltage.

I have had some trouble with the separator caps, the electrolyte boiling over As this, however, is any to occur when cells are new, I have not attached much importance to it, as it has now largely disappeared. I would advise however, that if nestfole, the filling appeared. I would advise however, that if nestfole, the filling appear to the new cells be of larger diameter and higher. You have 1/2" to spare to the top of the terminal post withoutlinereasing the overall height of the cell.

I started charging at 150 amperes, but this caused excessive heating and makes small efficiency. I now intend to give a series of runs at 130 at increasing lengths. Results to date are as follows:

Average voltage (Approximate) 515: 512 513 514 515 342: 1.201.191.16(1.175 364:1.2051.191.16 1.167 Run No. 100 364 350 350 150 364 330 10 150 100 375 ≘ē. Reversal mreutment 150 Spl 346 130 354

· Charge discontinued at end of 5 hours on account of excessive creeping of electrolyte.

Charging was interrupted this week on account of some

I have not discharged at more than 100 ampores, because Iwanted to go easy at first to finance against trouble. In the near future, however, I intend to discharge at 100 ampores and see what fitures we con get Sp. 12 looks preity good descrit it?

I have enclosed herewith my expense account to date.

I might say that you were mistaken in thinking living chean here. St.
Petersburg is considered the most expensive city in Racoge, Paris
ranking second, Moswer, I am making it as light as I possibly can.

I think you might send me some more money, for although I have plenty just now, it will be nearly a month before I get an answer to this, and some unforcesen circumstances may occur which will require funds to meet.

esteem in which Mr. Raison is held here. They think he is the biggest man of modern times, and are very proud of his inthacy with the late Count Tolatoi. Several people have told me that he had given the Count a "gramphone" as they call it here.

Yours truly,

Maurice E. Fox.

August 11th. 1911.

Mr. Thomas A. Edison, Morgan Harder and Company, Paris, France.

Dear Mr. Edicon .-

The delign of the Type 8-19 Cell has been finished, and the cell is now in work. As making up pages for year mas seen ransames, and the cell is now in work. As making up pages for three cells, excepting such parts as are subject to change. One cell will be critical through to completion, and any changes necessary thereon will be made in the subsequent two cells, without undue delay,

under date of July 25th, that Ruesia is going to build a 4,500 ton Submarine Gruiser, as well as a large number of 600 and 600 ten Data. It seems an not of Providence that prompted see in sending For to Ruesia instead of shipping the colle over there.

celle, and while they, in design, will make provision for ocaling the celle ensewhat, there are going to necessitate vary large celle, and while they, in design, will make provision for ocaling the celle ensewhat, there are very many many that the interest descent in a Subsarries or servy many that the interest care descent in a Subsarries of the control of the control of the celle of the cel

I think this sufficiently and nevel to apply for patente, and am doing so.

Progress in the soparing of the flake, that we are noe shead of the caused by of the strain zone to produce flake, I am completely out of out bocks, and have about 1800 pounds of flake ahead now.

did good work. It has very small percentage of books, and these are held together by dull knives. The burstform outling with a dull knife naturally tend to bind them together, but the little reciprocating separator breaks them up in a few minutes time. We are putting in some new times with heavier base plates; propelling in the property of the base plate under the loader, which we attribute to springing of the base plate under the

I am sending you a couple of clippings which I think will interest you.

I hope you are having a "bully" good time, and that you will keep your mind off of this outfit here.

With best regards to all the family, I remain,

12 1 14

Yours sincerely,

August 18th, 1911.

Mr. Thomas A. Edison, Morgan Harjes Company, Paris, France.

My dear Mr. Edison,-

. -,1

I am enclosing herewith, translations of various clippings from foreign newspapers on the subject of Submarines. Thought you would like to look them over the present of all the comments. We seem to have oome into the game at the right time. as Submarines have had see-expressed, herefore.

Governments. We seem to have come into the game at the right time, as Submarines have has essembly sayed, hypstores.

We are reading with great thereat the various cabled interviews with you on the part of the New York World man. I have not seen any interviews about Submarine Battery yet, I trust you will not lose an opportunity to pump these resuppor sen full of the Bulmarine Battery when occasion arises, it will had a the World when they estimate from you.

Yours sincerely,

DRESDEN NACHRICHTEN, Dresden, Germany, June 27, 1911.

In Copenhagen, woment, the Submarine DIMCERS caught fire, which seemed to be destroying the whole beat. Two men of the orew, being in the machine voom, were hardly able to escape. The ore the first tried to get the fire under control by that use of water, from the water, it was to be faured that explosely did not be the however, it was to be faured that explosely did not be the was that the water of the control by the use of of sant, Committee the language was done to

LE PETIT JOURNAL, Paris, prance, June 24, 1911.

Cherhouse, June 23nd, 1911. Yesterias merning about 5 o'clock, the shock mullis am against the dock. The shock was esterrible that several of the accumulations were thrown from their places, and the solution overflowed into the surrounding rooms of the boat. The first engineer was thrown by the shock against the wall and severaly nut to the head.

The Submarine, in spite of the accident, could go to the special docks for Submarines. The wounded officer was brought to the hospital.

One heat is on the way to get the accumulators out, and for that purpose, the boat will go tomorrow to the repair basin to be investigated.

LES A VALES POLITIQUES ET LITTERAIRES

Nothing is nore interesting these days bean aviation and parigation of Submarines. One will learn with great pleasure the history and present state by reading the book of Radiquer. It is difficult to speak better and more clear about all those scientific and special matters, as does this French empineer. He surely is able to talk. He himself has constructed several of the best vermin Submarine changes, and he has made some greatly whired trips with these boats. He last chapter, "The Submarine Commercial", which shall travel through the seas, sounds like a chapter of Jules Werns, but is on the other hand of automisting quality, because it is the Jules Terms of reality.

NATIONAL ZRITUNG, Berlin, Germany, Aug. 1st, 1911.

The Submirines in Future War.

At the end of the Russo-Japanese War, it was the menting all around that Submarines would thoroughly change the future battles of the Rations on the saw While Rugland and evames have in the meanthmy built up complete flottling of Submarines, Germany triad up to now to follow the same example.

The experience, however, proves that the Submarine is the very best help to avoid attack of shores and harbors, stc., but that for the near thurs its possible of or the near thurs its possible of the last, war not compared to the last, war not compared to the shores the shorest three shorest the shorest three shorest the shorest the shorest the shorest the shorest the shorest three shorest the shorest three shorest the shorest three shorest thr

By looking the present status of construction of the different matter sever a sear Pennes with its 58 Submarines and England with the Thomas of the lead, Germany, is on the other hand, in research of 12 heats, but its intention is to increase the number in the year 1712 to 35. If it is really so, of course, nobody knows it exactly, only that there will be a large demand for Submartines Batteries in Germany next year. This shows that Germany for Submartines to acknowledge the value of Lady and America-Hungary have 7 and that the sullience of the submartine has demanded the submartine has continually increasing. While the first of these beats built in France had only 146 tons, the new boats, for instance, GUSTAVE KERE, being under construction since 1810, has 70 tons. The size of the Submartine has increased in the last ten years about five times, in Great Battain, the whit in 1811 and 182 had not of 124 tons. For those built in 1910, the same terms of the same intention for an increase of the Tartain America and the same intention for an increase of the 1811 and 182 had not of 124 tons for those built in 1910, the same terms are 100 tons, and submerged

In regard to the German heats very little is known, Germany has some boats built for trial of about 200 tens.

In grance and Secland, it is an important secret that the passage between Califa and Deers is eathered by It Regislan and 3 French Submarines. A second France line is on the bokout in the harbor of Cherloung Theorem and the line is on the bokout in the harbor of Cherloung Theorem and the Cherlouit and almost impossible of the bokout in the bokout in the harbor of Cherlouit and almost impossible of these two thirds the Channel, Germany is little touched by the control of these two Nations. In case of a war between Germany and Great pridain, the former has far too weak a Navy to attack Great myidal with its strong flottlid in the open sea, Should, on the other hand, it impopen that a war between Germany and prance break out, it will be fought on land and not on the sea.

HAMBURGER NACHRICHTEN Hamburg, Germany, August first, 1911.

The German Havy is now ready with 12 Submarines, and there has been erected a school for Submarines.

The new Submarine call d U-3, made an especially good trip, but it is not possible to state details, because everything is kept secret.

Lyon REPUBLICAIN Lyon, wrance, Aug. 3, 1911.

According to the system of the engineer Laubeur, has been Lunamed the Subwerten being built of 300 tons. Its outsite a length of the major and the Subwerten being built of 300 tons. Its outsit condate of two majors for earling on the surface, and of two electric materials.

IL SECOLO Milano, Italy, June 16, 1911.

one of the prench Subsarine boats has made a very interesting experiment, in that it has remained in the harbor of Tolone for 18 hours undermeablithe surface. The ones has been splended condition throughout this time.

COURRIER DU MEXIQUE Mexico, June 19, 1911.

was launched on the first of June at the yards of Mourillon. This Submarine was floated by having its whole orew on board, under lieut. Dument, It has gone by its own power to the station for Submarines, where it will get its outfit.

It is especially characteristic that this new Submarine had all its motors on board, and this has been the first time that a boat of this type way able by its own power to reach its station.

BERNER TAGBLATT, Bern, Germany, August 4, 1911.

Since several wasks, it has been known that the British Many intends to build a new type of Submarine.

As we now hear, they are in fact building six new boats of very large size.

The new type shall be about 250 tons larger than those built before, and they will be about 70 tons larger than the WUSTAVE ZEDE, which was, up to the present, the largest

It is a doubtless fact that Subsarines have been considerably in the tast few years. In Germany, it is not possible to have my news about the Subsarines one in construction, it is been, certain that 15,000,000 marks have been laid aside for now beats for other year. Fire Nauticus states the number of Subsarines seady for certain to 12, but does not mention the number of beats that are under construction.

All the powerful Countries of the Worla have a larger flottila than Germany, i. 8. Great writain has 63 hoats, France 62, Russia 30, United States 19 and 20 under construction, Italy 7 and 13 under construction, Januar has 12 and several under way.

L'ECLAIR, Paris, prance, July 29, 1911.

Aeroplane and Submarine.

The aviator Aubrun, upon request of the Government, has been trying to follow the Submarines by flying in an aeroblane. The test ray made purposely to investigate from such to fit the aviator would be able to find out where the Submarine might be.

This morning, at 4 o'clock, Ambrun went up in an aeroplane, and at the same time, some of the Submarines went out for practice. The aviator was in a position to find two of the Submarines which were underreath the surface.

We ask-d the aviator this avening about his experience of the morning, but did not used any exact answar, because the matter should be log! served to usest of the Naval authorities. In any respect, the naval authorities and the served and the server and the server at hundred matters, will be able to follow up the evolutions of these admirable engines, the so-called Submarines.

DIE REICHSPOST, Vienna, July 15th, 1911.

Trials have been made at Portsmouth mome time ago by Submarines that have been Each time these actors under the water. In that way, from a short distance, the guminost was able to shoot lyddit shells at the Submarines. The Submarine had been much by the shells. As it was hovever, fitted with every means to raise it up again to the surface, the best was saved in a short time. It was stated that an indirect force of the shell, but direct bit, applied as stated that an indirect force of the shell, but direct bit, applied as that Submarines laying in jow shallow water would not be as after against gun-fire as was generally believed. It greater depths, the Submarine would be entirely safe against artillery fire.

the Submarines off battle-ships anchored, would be able to keep respect, the position would not be a dangerous one. A flottin, while mailing, would be lessin danger ir regard to Subserines, but would, not be other band, hardly be in a position would be lessin danger. In regard to Subserines, but would, no the other band, hardly be in a position to fight those states about a way to keep the Subserines off, will a type by for any order acting, changing of course, and not mailing in a straight line.

LYON REPUBLICAIN, Lyon, prance, July 19, 1911.

A war upochalist of the Arsenal de Rochsfort, who has already invented an apparatus which brings Subserines from the bottom of the sea, when sunk, to the surface, and keep them there long enough to save the oray, hes invented, after long searches, an invention which enables officers and men to leave the Subserine and reach the surface. This apparatus is directly featered to the bridge of the boat, where it is held by special featerings, which are absolutely strong and steady, in order to resist every force of the waves and of the sea.

MILITAR WOCHENBLATT Berlin, Germany, June 29, 1911.

The Ministery of Marine intends to construct or buy several Submarines for the Navy, which shall form two flottiles, if. e., one for the Black Sea on the entrance of the Bosphorous, and the other for the Dardenelles,

August24th, 1911.

Mr. Thomas A. Edison,-Morgan Harjes Company, Paris, France,

My dear Mr. Edison,e

I am enclosing herewith, translations of several foreign Submarine clappings.

Herald, dated today, if you will offer a remard, I will tell you where Nrs. Mison is: but I will have to find out from you the exact spot on the earth your Dainler has taken you, before I can have wy information accurate.

I called up my friend, the City Editor this morning, the doesn't seem to know how it got through.

Everything is going beautifully here. HateFSnidgn Warren of the Reserve Submarine Fleet with us for a day or two, studying Edison Battery.

Yours sincerely,

LE TEMPS, Paris, France, July 9th, 1911.

NEMEZINE, which is the wister ship to the GUSEAVE ZEME, and these ships are remarkable insofar as this is a new method of construction of Subsarines while insofar as this is a new method of construction of Subsarines, the discensions showing a growing tendency continuity. The two new ships have a displacement of 740 tons, length 73 meters, sticklich of 6 meters, and are going to be 4.35 about 200 tons more than the have a displacement of the subsarines, the latter being up to the present the largest of the French Subsarines.

The subargument of tomage corresponds with the tendency to realize a submariar which will be offennive also, and that means a submariar which will be offennive also, and that means a submariar which a subt to go far out to see and at the sume time fight the sume of the enemy or to enter into a combination of the great Navny forces. At the time of the beginning of the construction of Submarians, these boats were destined only to defend shores, and the Franch Hauf followed the years the line given by the construction of Submarians, these boats were destined only to defend shores, and the Franch Hauf followed the years that it is now taken from the list of the offend of Submarians, there has been the submarians of the type NYERNIER having 390 tone, and to the LAUREUF of 398 tone, of which type nearly 40 have been constructed. In resembering the submariance of which type nearly 40 have been constructed in resembering the submariance made with these two heats, it was desided to HAUREUF of 398 tone, and the constructed in resembering the submariance of the type to the CHAURES BRUN ADMINISTRUM CONTROL OF these four Submarians only the first and the LNAT BRUN SUBMARIANCE. Of these four Submarians only the first and the LNAT have been finished, and their each have been very interesting and of great value but this type is not to be taken as a Submarian for reference. They are only

The new Submarines of the type GUSTAVE ZEDD answer quite a new qualities which are decaded of the new boats are along Moved force. The qualities which are decaded of the new boats are greater speed and greater durability furthermore where a greater speed and several dark under normal times qualities, the become timed by carries. In order to give the times qualities, it has be no necessary to enlarge the consequence that the speed has a radius of action quite different from the cy above that the speed has a radius of action quite different from the cy shown by the older types. Here are some figures proving the great of the consequence that the speed has a radius of action quite

Dis	placement On surface	Submerged.	Speedin Knots	Radius of action In Miles.
PLUVIOSE	400	550	12	1.400
ARCHIMDEES	577	810	15	2.000
ZEDE	740	1,000	20	1.700

The greater value from a Military point of view, has of course, been followed by greater expenses, and while the Submerines of the typs PIUVIOSE cost 1,780,000 Examps the price of the AUGINISME goes up to 2,500,000 Examps, and the price of the GUSTAVE ZEDE to 3,440,000 France.

LE JOURNAL, Paris, Francs, August third, 1911.

With every success a new Submartine of the Submartible type Gustave Laubsuf, constructed by Messars Schmidter and Ion, has been laurened for the submartine of the submartine of the type assure the submartine of the type assure compared with the old types of Submartines. The DEEPHIN is similar to the submartine Lumbur, and opposed by the Prench May, which, about 40 boats, since 1904 have been built from the ship gheat resistance against shocks shall, which construction gives the ship great resistance against shocks

The spacebetween the two shalls is destined to contain water ballant of a total weight of 160 tons, and this construction permits has boat townsturn in a few seconds to the surface, when the water ballant is driven out by means of compressed air kept on board the ship. The total length of the BEDFHIN is 50 meters, and its displacement on the surface is 300 tons, and submorged 460 tons. The speed arrived at hn the surface is 30 tons, and underneath the water 9 knots.

The armament consists of 5 torpedoes. It is fitted with two motors driven by petrol for orutsing on the surface, and two slectric motors for navigation undermeath the water.

After the Benediction of the boat by the Righop, and on a givon signal by the engineer, the cable which held the boat on Land was cut, and the Submarine slid into the water in about ten second;

Variation Against Agai

FREISINHIGE ZEITUNG", Berlin, Germany, August 6th, 1911.

An English Enginer Thomas Staden has come to several of the Naval authorities with a new invention which he calls the Libertor, and which are the state of the st

So far as one is able to learn from the details of construction, it is safe to any that the invention came by his ideas and its construction through the accident that occurred last Winter with the Shbmarine in Rich.

LR MATIN, Parie, prance, August 6th, 1911.

An accident of which we learned wort lateyestoring in therbourg, but which almost developed into a real disaster, has lamponed to the REMES of the Submarine.

diving on the above of Bouatles. The hip navigated on the surface with the water at a depth of 90 meters, the boat being about 500 meters from the shore. The Commander, genault, the second officer and 10 men of the crew were on the bridge. The weather was optendian one could dee that on normal conditions of ode-per into the water than ordinarily. Farst was did not care about this, but after several seconds, the bow went understanding and the Submarine was forced to go further than ordinarily. The wrongs, and the Submarine was forced to go further than sections thing was made the water than the submarine was forced to go further. It was a moment of terrible than bone still was going further into the water. It was a moment of terrible

"On the bridge, the Commander give his owhers without losing his coolness, and following his orders, the excend either went into the interest of the state of the commander and to his men who were that in on the bridge "lake your coats off my friends, and go into the water, and those who know how to swim many galp those who do not." There were four between us who did not know how to fain, but were healped by those who day

In the meantime, the boat disappeared rapidly, the bow was 10 meters underneath the surface, and was touching bottom. The centre of the chip was nine meters deep and the steam was citil towar water. There was no-one cles to be seen on the boat but the commander, who was on his post with his hands champed to the ship, wastiting his does.

Suddenly we remembered that the stern went up again. Gradually we noticed the RUBIS coming up again. Then those of us who could swim went to the ship and etuck to the stdes of the boat. But now we thought how might it be with those within, and what had happened.

The first second after we went down, there was a great panio on board, and a rueh to the openings.

"Egerybody on hie poet", was ordered by the eecond commander, "nothing is lost, keep quiet".

All obyed orders. The water entered the boat, and filled it up rapidly. The friet moment, the quarter-master had stopped the motor, as the water went higher up, the security weights consisting of lead were quote free, and the quarter-master closed the outlet which was a copened accidentally da, that way, saying in few pumping, we say the distributions, we say not distributed to the country to the water water with the say of the country to the water with the distribution of the water wate

We might add that it was not necessary to tase the RUBIs to the repair dooks, but she could go by her own power to the Arsenal, where she will be examined.

LE TEMPS, Paris, France. August 7th, 1911.

We have already reported about the accident of the RHBIS. Following we give a declaration which was made to our correspondent in therbourg by one of the officers of the Submarines.

After having dived, we were on the surface of the water, and out on the bridge, the ship being about 500 meters from shore. Suddenly the bow of the ship went slowly down, then quicker, so far that the water reached the first compartment. The second officer, sceing the danger, went quickly into the inside compartment and closed the outlet. In the meantime, the quarter-master had closed the stand of the commander. The meantime, the Quarter-master man entered and the beams of the book and the water had not alone flooded the ballast in front all the state of the sachines and crew. The formattent of the sachines and crew. The sachines are comparison of already a tone of water of board. The ship continued to go down and the commender, Remarki, on coard, the ship continued to go nown, and as commander, sensami, who was with eight men on the bridge, gave orders through his men to throw themselves into the ses in order to enlighten the beat of their weights Very soon the KREES disappeared under the waves, and the men had to fight norder to cymain on the surface of the water, One man only seemed to wish to stand at his ship, probably to go down with her. This was the commander Renault. But his men watched him and to prevent him from finishing his plans. He had to stay about 10 or 12 minutes in this position, going plans. He had to stay about 10 or 12 minutes in this receiving, Sulfig through very subaryasing circumstances. Then we saw the saft ploudy re-uppear on the surface, and we could take our forces together when the us affect. Finally, the RBHS once to its normal stand attendance of the the bridge. The outlets were opened, and to the which has happened, we aske our superior. The second officer had taken over the command of the ship and had given orders to all the men to remain at their posts. He then said the the turbines in service in order to pump the water out, and cut the ropes of the weights of lead, then the submarine went to the surface again. A commission has been appointed to investigate the cause of the accident, but it is impossible at the present time to enter the interior of the boat, owing to the production of dangerous gases which arise from the acid from the accumulators, the latter being submerged by water, I will be necessary to wait until next week and then start with the investigation. It is generally believed that the accident of the RUBIS is due to a one of the outlets being out of order, and it may take six months to make the necessary repairs and bring the boat into service again.

compercions on accounty of the compensation of Calpinal -accountators employed on load of Submarine.

[ON BACK OF PREVIOUS DOCUMENT]

୍ତ ପ୍ରକ୍ରିକ ପ୍ରତ୍ୟୁକ୍ତ ଓଡ଼ିକ୍ତ ପ୍ରତ୍ୟୁକ୍ତ କଥିଲି । ଅଧିକ୍ରିକ । ଏକ ସମ୍ବର୍ଜିକ କଥିଲି ବହିଲି ଓଡ଼ିକ୍ତ ଅଧିକ୍ରିକ ଅଧିକ୍ରିକ ଓଡ଼ିକ ଅଧିକ୍ରିକ । ଅଧିକର୍ଣ୍ଣ କଥିଲି ଅଧିକ୍ରିକ । ଏକ ବ୍ୟକ୍ତ କଥିଲି । ଅଧିକ୍ରିକ ଓଡ଼ିକ ଅଧିକ୍ରିକ । ଅଧିକ୍ରିକ ଓଡ଼ିକ ଅଧିକ୍ରିକ । ଅଧିକ୍ରିକ ଅଧିକ୍ରିକ ଅଧିକ୍ରିକ ଅଧିକ୍ରିକ ଅଧିକ

Important on account of the tagger by Chloride-accommunitaris Compleyed on board of Submarine, m Dyer, On any 12th I handed over details of " metterd of Subdending the clements of a Storage or Secondary all notor Swaps", for application to made. I count for Farnesty urge expedition of filing this case. It is extributy important to us. Without the method A would be impossible for us to drany submaine work, beause the 1/8" tubs cell much be charged at 3 hour rate and wo load has capacity of dynamin to change or higher than 6 hours rate. Furthermore of so imposel tool the cell when charged as a whole at the

grows & accomplish the practical rouls.

There already had to drouge. This to the clothe Boar Cr and they are furth approx to but m about of we as a laver of we leave the opening.

To please short this about of smeathy something smeathy approximately and lete you the application m. Or so stally

a serious maller

1 turingon

3 hour rate. (Sy dunkurg

the climents with the

September 1, 1911.

Mr. Thomas A. Edison, Morgan Harjes and Co., Paris, Prance.

My dear yr. Edison,-

Analyzing the results cabled over by Fox today:

All he wanted for the small Russian was about 37-1/2 horas power, perbloar, for two hours, so we have note good in great shape.

Even at the average voltage as low as 1.1 volts per cell, which I very seriously doubt, you have still 55.7 horse power per hour for two hours.

I expect the order to core toward for These bouts equipments in a few days now.

Yours vincerely,

Some in mover of

or the sustaining proper tradest the sustaining of the control of ... 3 - an ev m 4,000,17 - ce des #ept. 1, 1911. que

temps begins a hyport they represent their sort are come .

The Many the British that the Control of the Contro

the layer wagon page in the Wa Mr. Thomas A. Edison, et 7 1900 and see There's Morgan Harjes and Co.

thy dear Mr. Edison,

onto Meaning from Pox in over the weaks, It cables yesterday,
asking what in going on. I received a cable this morning in reply, and which being translated, reads as follows:

Have reported weekly. Letters lost or : stolen in transmission. Am getting 380 ampere hours at two rate discharge out off the C-14 Cells. In good condition now. Everything is ready for officials.

He would have given what has evening splitting is on disoloring at two look week has been a from remove the distillation and the first three views in the last 1. have worked out nome results as embodied in blue, print I am sending four theresith. This results were compiled to show a final warron, the commander of the VEFFN, which we are to spull the with the battery's when he was not plant send to give with the battery's which he was not a lant send.

and putting the days with Mry Restrict Soat Company's Plant on Wadnesd and putting the days with Mry Reserv Took up assembly bine prints of the 8-12 cell, and of the 8-17 cell. In these you have for low the seah of the positive plates of the batteries that good the tell and three high that on the positive plates of the batteries that when the restrict that good the seah of the positive plates of the batteries that the seah of the positive plates of the batteries that the seah of th as case I went up to the Mectric Woat Company's Plant on Wednesday "16-3/8", to go into this tank, we wan get nineteen and twenty negative guch accels should develop actually 3819 ampere hours at 3-3/4 hours when we can should newsop actually only ampere house at 3-0/4 hours of discharge, being equivalent to 4/21. Why hours for the entire battery of 102 cells, to go into the same space as the lead. The lead battery of similar that hours on the one hour ment of discharge and when he was the same state of the lead to the lead battery of the same state of the lead to the lead battery of the lead to the lea results colored after only three this, we will spire them 1930 to colored action only three this, we will spire them 1930 to colored action action the Edisor Battery than they can pessibly get out of the Edisor Battery than they can pessibly get out of the Edisor Battery than they can pessibly get out of the Edisor Battery than they can pessibly get out of the Edisor Battery than the colored they could be action to the colored the Edisor Battery than the colored they could be action to the colored the colored they colored the colored the colored the colored they colored the c

of this comes Fox bable that he de getting 380 II appere hours at the two hour rate. This you will note; it he saginum he got out of any of the wells in the first tabulated result, and as shown under output to one voit of Re. Sp. 14. Therefore the collars. esterio masse consider se dense acros est sect de son free acceptant ou consecutor con The color of the conference of the section of the section of the conference of the constant of the color of the conference of the color of

improving 1 he sgate 300 mapore houre at the two hour rate; he will certainly get 375 at the one hour rate; equivalent to 375 watthours per 3.14 at the one hour rate; equivalent to 375 watthours per 3.14 at thouse per 3.14 at thouse per 3.15 watthours per 3.15 watthours per 3.15 date thours per 3.15 date thouse thouse at the one hour rate of 4.15 date and 5.15 date thouse per 3.15 date thouse thouse the same at the one hour rate of the 5.15 date when the same at the one hour rate of the 5.15 date when the same at the one hour rate of 5.15 date when the same at the sa

If Attiget 380 laspers hours at the two hour rate, we will be a facility get 400 laspers hours at an average of 1.2 rolts at the three hour rate. This will be facilitated to 17.1 wat hours par grad, equivalent to 1800 NV hours capacity of 102 5-19 calls per tank, Jhis is alighted of the lead when brand new.

and all of the dever figures is are hased on our wains [8-19-unlike in the VIPER tank? But the VIPER tank? But the VIPER tank? But the VIPER tank? The tend of the viper over 50 amprise. This small; thus followed by the vertex of the viper of the viper

lyte, and the increased ease with which the heat our middle suprated when we only our me half of the hatton with the heat our middle suprated when we only our me half of the hatton with the heat our middle suprated with the suprate of the hatton with the suprated with the suprate of the hatton with the suprated with the suprate of the hatton of putting with the suprated with the suprate of the force of the putting with the suprated with the

I am having the cells mde up as follows:

One S-19 with two terminals and Two S-19 with four terminals each.

We hope to have these cells finished by the time you get back.

It has been raining for a week, and has oleared off today.

We read of ar automobile accident in Dertashmant. One paper said the oar turned completely over the said that you have dalled the said that you have falled the said that you have falled of ground iff fifty feet high. Still another cook and one mule hatched tandem. This proyee the wancity of the corresponder when the said one mule hatched tandem. This proyee the wancity of the

Mr. F. L. Dyer. Legal pept.

My dear Mr. Dyer,-

It will interest you to know that I was honored by remained until actor lumch, I treated him with every clock and remained until actor lumch, I treated him with every courter; and avery politered and the property of the second of the second

I then showed him results obtained on the thin tube cells, with very high war age voltage and exceedingly low internal resistance. In other words, I converted him the content age I feel quite cure.

He then raised the noint of price, saying that if he cord get a lead cell for \$25,000.00 that would last for \$50 oyles, or for five years, that he would prefer putting lead cells in at \$1.50 the price of Edison and replacing them at the sol of every five years, even if our cells would last sole that the capacity in the came could be sold to the compact of the same weight; and when focalled this attention to the fact that we are delivering for \$45,000.00.txics; the cannot he capacity in the came; either and \$1.50 the capacity in the ca

When I had finished with him, I took him home to lanch, and finishly to the train in my machine. I think he will be fuller.

to us in the future, as he has nt a leg to stand on now, having had all props knocked from under him with that actual guaranteed performance as shown by curved.

Thought you would like to know of this, and am writing this letter rather than take up your time to tell you verbally. nis letter rather than take up you.

Buttery, Storage - Subs. 4 = 45

Bentember 30. 1911.

Dear Mr. Dyer.

I was looking over the tests made on Edison Battery in the cold room of the Electrical Testing Imboratories, and understand from Mr. Holland that you contemplate having the results of these tests embodied in a letter or paper to be read before the securical Vehicle Association, and otherwise published breadcast.

Permit me te urge careful consideration of this procedure. These tests were made on mur standard one-quarter inoh tube cells. The results for the cells of the results of the cells of the cell of the ce

A standard A-8, when discharged at twice its normal rate, or all only 120 amperes, shows only 300 ampere hours down to I woit, at an average of only I.137 per cell.

As far as active material quantity is concerned, we filture the plate has one half the sative material as a quarter inch plate. According to this, a can with Io eighth inch plates in it would show up 434.24 ampere houre at about 146 amperes in charge for three hours and to one voit, at average of 1.2 wells per cell. An A-8 discharging at 145 amperes to one voit would give only about 255 ampere hours at an average woltage of 1.106 volts.

In other worde, from an equivalent amount of active material in the fi G-I6 (eighth inch plates) we get 52I watt houre of work, when discharged to one volt- the lowest practical voltage- and from an A-5 we get only 259.9 watt hours.

Hence we have twice the watt hours from the C-I6 as from the A)8.

In my opinion, nothing but one-eighth inch plates will be used in Edison Battery at the end of two years.

When the Exide put up cells for test, they furnished the thintery thin- plate cells. We should have deferred this test until we could furnish our thin plate cells.

In other words, the Mary and Army people will immediately become prejudiced against the cell until we prove the thin plate cell is not similarly effected to the same extent by cold.

When applying Edieon Battery ts Army and Navy needs, I am careful to enclose in suitable bases etc. to guard against cold as far as possible. I don't say this, simply putting the cells up in what they see is best form to withstand concussion etc. That which is good

for low temperatures is also good for concession preventative.

I doubt if I can sell a single submarine battery with that temperature curve in the hands of the Governments.

The Public in general wont stop long enough to read the explanation of theourves, but will form an opinion from its shape and listen to the leads they salesman. It is true the lead battery salesman. It is true the lead battery and will show that under the noses of all he talks with, but there is no use in our salping his work along. Simply own up to it when we are asked, but keep quiet meanwhile.

As a matter of fact/ that curve dont mean anything in practical operation of the battery, because we have lots of rigs that have run through the cold of two winters. Such low capacities as that shown by these curves would have put a crimp in our ribs two years ago.

But the prospective customer wont listen to this very much, and if, when becoming enthused he runs up against this will be agit to read no further. Whereas it is to take after he has his will be agit to read no further. Whereas it is to take after he has his enthusiasm worked up, he will be agit to simply the psychological operation of a customers sind, which I have been up against a good many operation of a customer sind, which I have been up against a good many operation of a customer sind,

Sincerely,

HUTCHISON.

Mr. Edison.

Talk with Mr. Spear of Submarine Boat Co. yesterday was very satisfactory.

utmost to have our battery adopted in boats of their mand tries his for foreign hattons, if we will safequard our reputation and theirs by not installing batteries on inferior beats where they would get a black sey. I replied affirmatively.

while he would naturally like to get the exclusive right for the battery in all foreign countries, he sees our position and respects it. He is a business man. The other follows he has sent over to talk the matter over are not.

I told him so have the opportunity of installing batteries and if he wants to accumally conscall any competitor from forging magnitude to take our output up so we cannot full the orders with use of sufficient amounting to take our output up so we cannot full the orders of anyone class. So he is proceeding along lines that will, I think, be productive of considerable business in the near future.

Is an negotiation with this Government to install an Rdison Battery in one to new beats they are building. Think that by expected co-specific between Nary Dept and themselves, the former contributing time from reserve and the latter taking less protection to be the contribution of th

Agrees with us that any combination between us would result unfavorably, because as soon as Navy Dept. found it out they would object.

in four or five beats soon. When so installed and value demonstrated, the deverment would demand the installed and value demonstrated, the deverment would demand the five the second of the control of the second o

Rigar has been ordered to Orange to close order for the three small beats using C-Mc olls and to go over with me the installation of the cells in the boat. We are to select the best one of three arrangements. They, of course, do the installation, Space expects order for about sixty more of these boats. He reduced to build them unless Rison Battery is used, and after Exaget in the goddwork - he did, the coast was clear and the order placed for the

first three boats

By telephone request I lunched with Geo. W. Young at his

.....

He reports that the outside Hoving Picture people have come to him to form a large company to take all of them in and put a large amount of working captal behind them. He felt them out and find they will sell out all them he made the many and the sell them out and find they will sell out all them to talk the matter over was sell that the sell outside the sell use what is in the wind and to be able to handle the cituation for you in case you have any ideas on the subject. They are evidently trying to get from under on this record decision in your favor, of which Hr. Young kine mothing. If you have any ideas on the subject, Hr. Young kine mothing. If you have any if the subject is the subject in the subject, Hr. Young kine in subject, and the following the subject is the subject in the subject is the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subject is the subject in the subject in the subject in the subjec

Westeh

Edison General File Series 1911. Birthday Greetings [not selected] (E-11-24)

This folder contains letters congratulating Edison on the celebration of his sixty-fourth birthday.

Edison General File Series 1911. Book and Journal Orders (E-11-25)

This folder contains correspondence and other documents relating to book sent to Edison or ordered by him, along with items pertaining to his books collections in West Orange and Fort Myers and his subscription to news clipping services. In addition to correspondence with publishers and book dealers, there are letters from authors such as Edgar Chambless, Robert Grau, Hiram M. Hartwell, and Elbert G. Hubbard. Also included is a letter by Rev. James Luke Meagher, recalling his visit with Edison at Menlo Park during the early 1880s.

Approximately 20 percent of the documents have been selected. The material not selected consists of routine orders, letters of transmittal, and unsolicited correspondence.

Myers 194

Fort-Pryors Fla. Nov. 18 Ch 1910

Mr Meller - Bear Ever.

The books from Brentones came.

Jedinday. Show title are

"Whe Meaning of Cifrid Strom

"How to Joep well".

"How to Joep well".

"The Julius J. Schooled M. R. E. S.

"The Julius of fluctures and Capitalism in Donatolacy" of MM

X Charles M. Ellist L. L. D.

"The Cause and Cype of Colde of a Milliam S. Staller M. D. Ellist

* Melian S. Staller M. D. D.

"Hunting with the Externor"

X Harry Mitthey.

"The March beyond Science"

X Joseph Gracel Science"

X Herland Warrel.

But came by mail autitled

"Lords of Surduely,"

X Henry Demand Wried.

The pright on the boy I think was very high. It only weight 14th one own scales, and I had to pay them \$2.90. I don't think it would cost that rauch by Eye. They said shough 100 the, sale. I rely yours M. Doyle

Brentano

Digneries by Guyot just pub by Derebner

also Literary Remittances

BRENTANO'S

FIFTH AVENUE & 2714 STREET NEW YORK CITY

Hevenber 5th, 1910.

Fin.

Deer Sirt-

Referring to your order of the Bith ult, we have to report one of the items, Modern Original Science Series' is to be published in 9 volumes, the first volume of which it is expected will be

We have booked your order for the set, and unless advised to the sontrary will have wilmas sent to you direct from the office of the publisher

Yours truly.

GG-AVG

Movember 1st, 1910.

Mr. Thos. A. Edison, Fort Myors, Fla.

TAE-Wr. 4mg

EDGAR CHAMBLESS 150 NASSAU ST NEW YORK, N. Y.

ROADTOWN

New York Feb. 10, 1911.

Mr. Thomas A. Edison,

Orange,

N. J.

My dear Mr. Edison:-

Sorry you were too busy to see me when

I last called. I will try to get time to run out again some time soon, and hope by that time you will have read Roadtown.

Enclosed is the copy of a letter from

Mr. Burbank which I trust will stimulate you toward some serious thought on the subject.

. Many of the most prominent men in the country have already shown a very serious interest in the subject.

When I last talked with you you prom-

ised to keep your eye on Roadtown so I trust you have seen a few of the hundreds of articles which have been published.

Yours cordially, Edgar Chambles.

...4

Copy

Burbank's Experiment Farm.

Santa Rosa, Cal. Jan. 23, 1911.

Mr. Edgar Chambless,

New York, N. Y.

118 1

Dear Sir:-

Yours of Jan. 11th, and the highly absorbing book,
"Roadtown" received in due season, and although I have very little
time to read, I have read every word of "Roadtown" and am deeply
interested in the proposition which I am sure is not only theroughly practical but an absolute necessity for the existence of our
present civilization. To me, it seems that "Roadtown" will solve
a hundred perplexing problems which are agitating the people at
the present time. That "Roadtown" should come to pass, seems to
be a matter of course.

You have my heartiest good-will in your wonderful project. I thank you for "Roadtown" and millions of others will probably thank you in the future.

Yours respectfully,

(Argued) Luther Burbank.

LB/CV

Stenmeter

Schenectady Store

1821 52 8 Chan 2/21/11

Thomas A.Edison,

Orange, N.J.

Dear Sir,We recall that you favored us with an order for Dr.Steinmetz' GENERAL LECTURES.

If this book has proved of interest we would appreciate a statement concerning it from you.

This we will use only as you approve.

Very truly yours,

ROBSON AND ADEE.

lattian Can Fuller



Robson & Adee

SCHENECTADY

309 State Street

N. Y.

2. Haratema

HUDSON MAXIM GGG ST. MARKS AVENUE BROOKLYN, N. Y. TELEPHONE 2218 BEDFORD

February 18, 1911.

W.H. Meadowcroft, Esq., Edison Laboratory, Orange, N.J.

My dear Mr. Meadowcroft:-

I am sending you today, by express, the promised complimentary copy of my new book, "The Science of Poetry and the Philosophy of Language." I am also taking the liberty of sending in the same package, the copies of the book promised to other members of your establishment.

Scientifio men all over the world have given the book a most cordial welcome. I have received many letters from some of the greatest men of our time, which are highly appreciative of the work - some of them enthusiastically so. I enclose you copies of a few which are typical.

This is the first time, I believe, that the subject of poetry has had scientific and impartial treatment. I believe that the book discovers very important fundamental truths, and that it will shorten the path and lessen the labor and expense in the acquirement of some very useful knowledge to men and women of letters, teachers and public speakers, and will lead many out of a maze of misconception.

After you shall have read the book, I should be very glad to know how you like it.

yours faithfully,

Sutrou Mating.

Austription Edition De Luxe \$5.00 the Copy

400 Peges, 300 Pertreitie

A THIRD VOLUME BY ROBERT GRAU

The Stage in the Twentieth Century

By the author of "Ferty Years Observation of Music and the Dreme" and "The Business Man in the Amusement



FEB :20 ,91

58 Elm Avenue Mt. Vernon, N.Y., 2/19. 1911

Har Um Edison,

I thought I would sand you the

fuctored lang aumonacement of my new book morder

that you way unders tund the fail that your mountains wice

play in same -

The newwork were modern Vast research. I went to Chicago last rick to observe Enteror Lineary Ellesteen in present time of notion freliens - Lancy a 5 cent mention

paging a bill Kein americally

Its botter films. It amaged me and

Monthly, on the suffect By the way the new issue of the Plano Magazine Which is becoming the representative priodical for Musical achienment of austrumental clearacter well have a leading acticle on the Phonograph. from my pan. 9 well sand it when issued to you. you have been sand bome and I don't feel that I can't deserve it. 9 Rim you intrust in my greatest Afort has been an incentive and I hope I'm wie like the book. Gran trung Rotal Jan. Hyur wish any copies of the new book. plear adverse of Course Del sand you anything you want in any Event,

Robert Grau	SUBSCRIPTION EDITION
53 ELM AVENUE	
MT. VERNON, N.Y.	
	dollars for copies of the
Enclosed find	
SUBSCRIPTION EDIT	ON DE LUXE of your book
"THE STAGE	IN THE TWENTIETH CENTURY" The Rising Generation in the Aminement World
	Name
EDITION DE LUXE	Name

OVER eighty per cent of the subscribers to Mr. Grau's previous works have ordered the forthcoming Volume in advance of Public Announcement.

The following are extracts from letters sent to the Author, after he had informed the writers of his plans for a third volume.

"I am enclosing my check for \$50.00 as a contribution to your new volume, and hope it will aid you in your fine purpose." WM. K. VANDERBILT

"I take pleasure in sending you a check for \$50.00 as my contribution to your third volume." OTTO H. KAHN

"I am glad to contribute \$50.00 towards your efforts."

JOHN W. CONSIDINE

"I am sending you herewith my check for \$25,00 as evidence of my interest in your forthcoming volume."

MORRIS MEYERFELD

"I am pleased to enclose \$50.00, and hope your third volume will be as worthy as the others from your pen." THOMAS A. EDISON "Enclosed check for \$25.00, being my contribution to your forthcoming issue,"

MARCUS LOEW

"I am happy to hear you are preparing another volume, and you can count on me for \$25.00, as before."

"Count on me to any extent de-

"Am contributing \$100.00 toward your third volume, but this does not represent by 'any means the total resources from this end."

L. E. BEHYMER

"Enclosed find \$25.00 which I gladly contribute toward your third volume."

HENRY W. SAVAGE

NOTE, The third volume "THE STAGE IN THE TWENTIETH CENTURY" treats intimately of every phase of modern theatricals from grand opera to the phonograph, and from the problems confronting The New Theatre to the moving picture progress, dealing distinctly with "The Rising Generation" in the Amusement World.

Subscription Edition de Luxe \$5.00 the copy.

ROBERT GRAU, 53 Elm Ave., Mt. Vernon, N.Y.

Subscription Edition De Luxe \$5.00 the Copy

The Stage in the Twentieth Century

By the eather of "Perty Years Obstruction of Rising Generation"

Fran Vin Edwar Jus 3/16/11 well you Kindly sign - Enclosed Controption one \$5000 gu book, so that I las filed away. Enclosed please find an article out loday, in Peaus magazone (March) work. Paloo with to suform you that articles on the same there have been accepted. by " ovuland Monthly " Minincal america" hew England Magage "and " Pleate", moreover Impany a zooo word recetal Hampton's Magaznie & beheve you anders tour that my Effects in this direction are funds, on appreciation of a Jand institution and in a desire is Convey to lay men the part being played in artestic pergress by gounds and mountain of Course & do less to sutreet gru un my Books. and regard is my unbetien on this desiden that I feel that my new Volume week reach the Jeneral public, for I shall use the Contributions for the propore of sanding Libaries Copies grates. Plooned cike to Kenn Jun prosumal needs on frie orapict for I am glad to send Im all you require - and it I'm need Entra Copies Pau our I'm will miscule as before Short it is not an obligation open in English fortier of an fact alone.

Prano Masagne (auta Custors Pemplime

THE SYNCHRONIUM OF THE CINEMAT-OGRAPH AND THE PHONOGRAPH

BY ROBERT GRAU.

Intion for the stage in this decade is the now absolute certainty of a perfect synchronism between the motion picture and the phonograph, by which science and artifice will combine to present a counterfeit interpretation of the great works of playwrights and composers, without the aid of player, and singers, even dispensing with orchestra or piano accompaniment.

Moreover, by reason of a recent achievement, it is possible to obtain the most diversified color effects, thus permitting of realistic reproductions of scenic illusions. It will soon be possible to bring to our very doors "The Passion Play" with the Oberamergan peasants figuring in the rendition and with sound, motion-picture and color, all reproduced in a comprest fully as remarkable (and equally important) as any that history to this day can record.

It has already been possible for an audience to hear at the Eden Musee, in New York, an act from "Lucia di Lamermoor" with Caraso, Sembrich, Plancon and Scotti in the cast. And this andience was enabled to hear the smerh sextette with the same illustrions singers heard at the Metropolitan Opera Honse. The writer was among those present and, while perfection had not been yet achieved, no great wrench of the imagination was necessary in order to prophecy that the day is not far off when the workingman will lay down his dime, and, upon entering the model moving picture theater of the near future, hear

P ERHAPS the most important evo- Grand opera sning by the world's greatest singers with every artistic requisite at hand. And he will be able to take his entire family, and occupy the best seats, for one-half the sum necessary to permit one person to sit in the top gallery of the Metropolitan Opera Honse.

In Paris the leading members of the famous Comedie Francaise have been induced to pose for the film makers-Rejane, Jane Hading, Monnet, Sully and the Coquelius, as well. We will not have to wait long before great plays and spectacles too costly to transport to this country will be revealed to American playgoers by reason of the accomplished synchronism 'twixt sound and motion, Mr. Thomas A. Edison, from whose

brain both the einematograph and the phonograph originated, places no limit on the possibilities of modern artifice. He also is intensely interested in every phase of the progress as it develops and has promised that every obstacle to a perfect ensemble in unusical and dramatic reproductions shall be removed,

In Chicago, Mr. George Kleine has devoted the beter part of his life to efforts by which the artistic level of the maying picture theater is being constantly raised. "The educational film" is his hobby. Like Mr. Edison, he, too, helieves that we are emerging to an era of the marvelous in einematography, aided and abetted by the greater phonograph.

What will be the effect on the players and singers when science and artifice

THE PIANO MAGAZINE

combine to make nunecessary their participation in stage presentations of plays, just even this delicate problem, for sureoperas and spectacles? Who can tell? We know that the great Caruso earns

quite as much from the preservation of his vocal records as he does from his operatic achievements. And this statement applies, in proportion, to his colleagues.

The writer believes that time will adly these great artists, by lending their aid and accepting tremendous compensation, have made possible the conditions which have brought about the most interesting and unique situation since the art of public entertaining was inaugurated.

AN OLD GUITAR.

Marred and battered, it lies mused Music has fled from its tangled str The spirit of melody it diffused

Is gone, like the hopes that life's morn-time brings.

I close my eyes, as in thought of return To a long-dead Summer, a tropic night, A moss-grown tree, by a rippling hurn, And a lassic with eyes that are full of fight.

I lie at her feet, while her soug's glad notes, Such as an angel might choose to sing, Sweet, and far through the night air floats, Like the scent of the flowers that the fairies bring.

The pallid moonlight is touching her brow. And silvering the strings that her fingers touch:

I'd give the whole world hat to see her now As I saw her then, nor deem it much.\

But that voice has been silent for mi

The love-light quenched in the sweet, starry eyes;

She sleeps where we laid her with hlinding Under the drooping, tropical skies.

And I tenderly kiss the broken strings Where her fingers strayed in the long

agone. And back from the past fond memory brings The words of a half-forgotten song.

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Principal Office and Salesrooms 41 WEST 33rd STREET NEW YORK, N. Y., U. S. A.

March 21st/11.

Mr. Thos. Edison,

West Orange, N. J.

Dear Sir: --

I am sending you by mail under separate cover, copy of my booklet entitled "INVERTORS and INVERTIONS."

I have taken the liberty to insert your photograph among other celebrated inventors and scientists. I have also referred to you in another part of the book, which I trust will be satisfactory to you.

Should you find time to look my little book over which I have published at my own expense, and fafor me with your opinion on the same, I will be extremely grateful to you.

Very respectfully yours,

HR/LF

EDGAR CHAMBLESS

ROADTOWN

York, N. Y. March 24th, 11

Mr. Thos. A. Edison,

Orange N. J.

the subject of Roadtown.

My Doar Mr. Edisons

I called yesterday and was sorry not to ses you. Would you kindly adviso me when I can have a few words with you on

I have been hoping you would read my book before I eaw you again and become thoroughly conversant with all my ideas, but I fully realize that reading any book may be postponed from time to time, by such a busy man. I also realize that your wonderful mind oan follow the ramifications of the Readtown principle without ever reading what I have written on the subject.

I wish to discuss a phase of the Roadtown movement, which I beleive to be of vaet importance to the public, and of the keenest interest to you personally.

In our last talk you promised to keep your eye on Roadtown developmont and on mo. I can assure you that I need your counsel and encouragment, as well as that accorded by Mr. Burbank and dozensof other notables. If you had a hard struggle to get your first big idea started right, you can readily appreciate my need for moral suuport and encouragment.

Trusting that it will be convenient for you to see me early next week, I remain with best wishes,

Yours cordially,

Edgar Chambless

Public wheris

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41 WEST 33rd STREE

New York, april 4th/13

West Orange, N. J. attending Many Threnks Sir:-Mr. Thomas Brison, Book just book

Dear Sir :-

will you kindly savise me if you have received my letter of Ear. 23/11 and copy of my bocklet, which I

have sent you in consection with the same for eview and greatly oblige,

HR/ALI

REV. JAB L. MEAGHER, D.D., PRES

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TO THOMAS A. EDISON.

THE GREAT INVENTOR

Sum New York - Borl 10th, 1911. 1911.

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Sum New York - Borl 10th, 1911.

Sum New York -

about 1881,I had the bonor of calling on you in Menlo Park, and we talked a long time that evening on sceince. The next day you went with me to your bouse, took one of the lamps out of the chandlier and gave it to me, which I have treasured since as a mark of your kindness, we met later, but I did not want to take up your time.

Por over forty years I have made a special study of science, and read all the works on that subject in different languages, I combined all in a workithe wonders of the universe, which I took the liberty to send you some weeks ago, the work I think gives the fundamentals of all the discoveries to our day,

I would like, if you can spare the time, that you would read the book, You will find that it contains a University Course condensed into 529 pages, and I think it will be useful to you, No man of any age put into practical use, as you have,

the discoveries of our time, I have always had a warn spot in my heart for you since the time we first met, and I hope you will live long and bring forth many inventions for the bettering of human life, after you read the work will you kindly let me know what you think of my little efforte, your and the work you think of my little efforte.

Subscription Edition De Luxe \$5.00 the Copy

Publications

A THIRD VOLUME BY ROBERT GRAU

The Stage in the Twentieth Century

By the author of "Forty Years Observetion o Music and the Drame" and "The Business Marin the Amusemen



Dealing with "The Rising Generation" in the Amusement Warld

> 53 Elm Avenue Mt. Vernon, N. Y., Kay the 20th 1911

Thomas A. Edison, Esq.,

Orange, N.J.

MAY 80 IIII

Dear Mr.Edison:

The scope of my new volume, being that I have to tell you something about its complex character. I as treating in this volume of several phases of industry in which you and your achievements figure vitally. Of ourse familiar with, though and I sever expected, but it is the electrical phase of progress on the stage and in the trial phase of progress on the stage and in the trial phase of progress on the stage and in the trial phase of progress on the stage and in the trial phase of progress on the stage and in the profit of the stage and in the stage as the stage and in the stage

and I pressume that you will see that I am provided in solving stage problems. The scope of my new that grown considerably as I may be a long and I have alled upon a few of my subjects who i grant of have abled upon a few of my subjects who i grant septements in the volume to considerable that you will look at this in a broad and, and if you care to subscribe for some volumes in addition to those which v shall send you, because of your kind contribution, this of course would be helpful. But do not hesitate to pass this up; if you are not impressed with the idea.

You have not negretary the man that I have not heart and the I have not heart and to tal I may and that I have not heart and to tal I may add that my new book will appear to the complex condition heart a score of magazine arrows the proposed by the phonograph phase, which has impressed me tromendations.

I ought to tell you that your confrères in this field have sent me records from Caruno to "ragtime", and this has inspired me, though it is somewhat incongruent to be without a few Misson pouted. On you suggest some presentative Misson served and hear some of the "excessmittive Misson seconds? I hope you will oxcuse the length of this letter, for probably I should have decreased some one other than yourself, but I am today that you approve sufficiently to make The Stage in the South Contary a work worth while!

Yours very sincerely,

بالرفائ Lab-\$15.00 Mulunital

Hay 31st, 1911

Mr. Herry Miller, Edison Dahoratory:-

Pr. Edicem in looking over the clippings I recoived from Lawe's Press Clipping Bureau neked me what they were coeting me. I told him that I am gotting unlivited services for 215.00 per month. He acked mise to Lunce its setting a him to me and the setting and As I mentioned this ratter to you perhaps you have already taken 12 up.

M. R. HUTCHISON.

MRH/GPT.

FRANK L. DYER, ORANGE.

IN YOUR REPLY

Mr. H. F. Miller:

MEMORANDUM

May 6, 1911.

Referring to your inquiry as to price we are paring for press clipping service, would say that we pay 2\$\phi\$ per clipping to the Hational Fress Intelligence Co. for unlimited service and unlimited territory on phonographs. We pay the Hamhatten Fress Clipping Bareau, 334 Fifth Ave., New York, 3\$\phi\$ jer clipping for the same kind of service on moving pictures, so that the rate you pay of 3 1/3 \$\phi\$ would appear to be high.

1. 17. 17.

W- Personal

ST NEWSPAPER CLIPPING BUREAU ESTABLISHED IN UNITED STATES, LARGEST BUREAU IN EXISTENCE,

Newspaper Clipping Bureau,
Matingal Hissis Untellingure Company

11 Rant 24th Street.

New York, July 21, 1911.

Thomas A. Edison, Esq.,

Orange,

W 54 EU

N.J. Gentlemen:

Following out our convergation of yesterday, have endeavored to get an average of the number of clippings sent monthly so that we might quote a flat monthly rate. We should be pleased to serve you on the monthly basis at the rate of \$6.00 per month covering all personal mention of Thomas A. Edison and his inventions or at the piscoprice basis of \$6 per clipping. As I explained, the pisco price basis gives the concorn a great deal better service, every clipping being looked over, whereas the monthly rate is the way we serve trade papers.

On the monthly basis of \$5.00 per month we would guarantee a minimum of 250 clippings taking the average by the year. If they run less than this we should be pleased to make a suitable rebate.

Thanking you for past favors, we beg to remain,

Very truly yours,

HATIONAL PRESS INTELLIGENCE CO.

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Subscription Edition De Luxe \$5.00 the Copy A THIRD VOLUME BY ROBERT GRAU* The Stage in the Twentieth Century Hun In Edward Women, N. Y., 10/25 1911 I have been very n. Entant to Cace own attention to my writings fust, because they are bacung so numerous and second be cause I am not such a food as to fluck you are in such a portion as to need or later to protucts, but some of my untings base bien so widely quoted the I face I ought to Im the Endored. Which has

brun in printages a trindred privadicules and in the next 3, days a sear of articles of mune relative to gramme Vanious inventions are to appear I do not ask you to orply to my tellers, you are a busy man, and twomled like Im to Kum that in my huntle may I have tred to help hiplift the undustry of Cinamatography I am Just Commencing to track promewhere hear a gove things from the need of arking help turn Books, and it on Care to make our Subscuptum For the forthcomy work the same as the last of would be very belffere, you sent the 50.06. The sank on sent \$50.00 Robert Grand \$150.00 Robert Grand



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Legislative Correspondents' Association

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Return & coors a society of heaves we medican with a getting to Obsales against the other society 1. Obsales against the other of the obsales of the obsales

Dear Sir: defer to quele les yend rece l'orthoches

allow me, Sir, to prepare the control work adoomplished by my brother and published tager file postpaym our threshold with a control work adoomplished by my brother and published tager file postpaym our threshold with the control work of the published tager file to the put mark a new epoch, because it gives to the put mentionance entirely nor unknown featured for the thory of square numbers. I set this to you to show you that my brother is a mathematical seniture wen being a practising physician.

As a physician he had coo accumulated quite fittle rotune, of the country afterward. As a mathematician he has now constructed perfect mathematical lenses for optical purposes. Photography arronomy, etc., which if properly patented and protected could bring millions in return for good management, and I think you are the proper centlessen for that purpose. I am authorized to accordate with a responsible party on a reasonable division of the profits, which you certainly will not deny, if the thing seems to you practical and having certainly a proof on hand, which justifies all expectations. By brother came by accidence to the

discovery, having a talk with a progressive photographer, who claimed that the photography was not yet up to date, not giving the exact result as a portrait made by an artist or a drawer does. By byther proposed to construct a single lense, but he said this was an impossibility, because there are four collecting lences necessary. Ecow I, myself, do not understand much about the subject, being only a journalist, but I have groat faith in my brother as a mathematician, who shoredax a young man s great talent for this knowledge which was proved when he passed the maturity examination and got a prize of 50 Thaler, a great sum at that time, from the city of Graudenz in Frussia. Later he studied mathematics at Koonigaberg for two semesters but had to give up and select a breadstudium and that was at that time the studium of medicine, but he always stuck to his first love.

I also enclose a copy of the rules for his plan and ask you to give the matter your full consideration and let me know, what you think of it.

Very respectfully yours,
Offo brusewill formalist

87 Sumpter Street,

Brooklyn, H. Y.

P. S. The cate Dr. Wolfferhall of Frankorf of M. has dedicated 100,000 Marks for the win the of the Marray of Farmal, which may be awarded in two or thee years effect.

The solution.



November 3rd, 1911.



Doar Mr. Edisons-

There are two reasons why I am writing you this letter.

First - you are an American and a good Roycrofter.

Second - we have just published "An American Bible."

This book has a message for you and for every true American who believes in the hands that work and the hearts that love. "An American Biblo" will help men to live long and well. It also extends the firm faith that the Power that cares for us here will never desert us there.

There are a few of our subscribers whom I am anxious to have see a copy of this first addition in: Edison, and you are one of them. May I send you a copy in Oxford binding?

Please writs me personally.

With love and blessings over,

Your sincere,

T.A. Edison. Orange, N.J.

EH-AB

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Many able men believe that this American Bible is the most important book ever princula America. In order to secure an instant resultation of the first hundred thousand copies which we have printed, it will be given away absolutely free to every new subscriber to The Fra Magazine, and to all old subscribers who now renew.

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The Fra and a copy of An American Bible, four hundred pages, both for Two Dollars. Oxford Binding—Certainly!

Che Bogerofters, East Aurora, Dem Gork

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To THE ROYCROFTERS

East Aurora, New York

You may send me for my inspection, express prepaid, a copy of An American Bible, also a sample copy of The Fra Magazine.

If I am pleased with these when received, I will, at my convenience, remit Two Dollars in payment for a new or renewal Fra subscription for one year for myself or friend, and retain the copy of An American Bible, gratis.

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Address_				
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Thomas a Edison EDM Dell

53 Elman 12/6/10 Ded Soucestit Veryan king Fran Im Edisin The Recent Express strike has played have. unto the delivery of my Volume. Haut is with the Early deliving -Ever Ince the Strike mached great proportions I mut all of min Books ly heart. Evan European a dein. but the Book land so large a Vogne. (non on ets 3 rd Edition) that I have had to cente to all of my subscubes to leave of they have received are of Then Volumes. I will thank you therefore to advers me on this fant so & may Kum what to do

I wish to suform you that since the issue of the newwork I have had several articles accepted from majagnes and Priodicals, and I quote logue herewite the names of this 2 in Which you and Jom achieve. ments are a Vital factor. "advant of the talking Preture" 4000 words, accepted by the Moving Preturn World 1406 Folianes in the Moring Picture fixed" a accepted by the Daily american. My. als. Science and artifice revolvetionezes the Stage accepted by "academy" Linden England. " Where were we look for our stage stars for the West generation, accepted by Pack nearly Smaling, " From Variety to Vandevices, the real Hasen for the Era of modern Vandeville " Clustinus Telegroft. my newbook has been in very large right near,

Managers, are ordery Copies to be But to their stoff at Holiday wine in the belief that they will provide them with an incentive In the same Traumer. Im Low. hu fox and me Proctor are ordering the work to be said to then Cocae Muniques, in order that the men Who have be come potent through the mcces of morny Pectures may llum more of the higher grades of the fleatre = I had no idea that I would become formanenty a weeker, but & han actually averaged an article a day in the last two mintas "Lippmcotts". "Progress" Theate, Independent. The hiteman and attentic Monthlies, all have one a mon of articles scheduled. the flats of pur patient in the new board bilings to you are found will be must to you as soon as of have function factorist. A obsit have

TYSON=CO'S Programme of Operatic, Theatrical Telephone Call, 4030 Madison Square Week Ending Nov. 26, 1910. BIJOU THEATRE. L. C. WISWELL Presents ZELDA SEARS THE NEST EGG THE BUSINESS MAN IN THE AMUSEMENT WORLD BY ROBERT GRAU LE AT ALL OUR BOOK

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Thanks for the Little working to a gam " Hould a gran " Hould a gran " Mill Carin " Mill Revealed R. Dan , with the Complements of the support of the suppor

Chicopee Falls, Mass. Dsc. 26th, 1911.

Mr. Thomas A. Edison,

West Orange, '

N. J.

amilia

Dear Sir;-

I am sending you one of my Books, entitled "The High Cost of Living", Would like to have you read it, and let me know what you think of it.

Should it strike you favorably, and you could conscientiously say or do any thing in its favor, I would appreciate it very much.

I am sorry to say the Publishers did not do a very good job. The next lot will be Published in a more thorough manner.

Very truly yours,

H.M. Hartwell,

119 Church St.

I have read the work, and have
opohen to the managers of
Herpers pertiled hims of the autoabout it. There is prenty of
clear thinking in it bent
I do not come to have name
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PUBLISHERS 👺

Dec. 28, 1911.

Mr. Thos. A. Edison, Llewellyn Park, Orange, N. J.

Dear Sir: At the request of the Drodden Publishing Co., we gent you a dedicated copy of the first edition of "Ingersoll: A Biographical Appreciation" by Horman E. Kittredge.

Will you kindly advise us if some has been received, in order that we may mark the matter as closed on our records, and oblige,

M. #25.

very truly yours,



ROBERT G. INGERSOLE ROBERT G. INGERORIA.

Statute by Firal Triebel. Unweiled Oct.
28th, 1911, at Glen Oak Park,
Peoria, III.

Eccred by friends and admirres of Ingeroal
throughout the country; under the anopines of
the logeroal Monument Association.

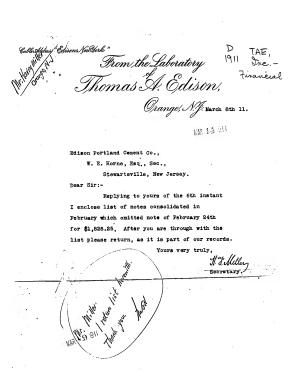
Edison General File Series 1911, Business Propositions [not selected] (E-11-26)

This folder contains unsolicited correspondence asking for Edison's support or endorsement of a business venture, invention, or idea.

Edison General File Series 1911, Cement (E-11-27)

This folder contains correspondence and other documents relating to the business of the Edison Portland Cement Co. and to the manufacture and sale of cement. The correspondents include Edison, Walter S. Mallory, president of the Edison Portland Cement Co.; and Emanuel Meyer, manager of sales. There are numerous letters regarding Edison's widely published plans to manufacture concrete furniture, a sample of which has been selected. A letter by C. B. Knott, manager of the Dakota Apartments in New York City, contains reminiscences about Edison's winter holidays at the Magnolia Springs Hotel in Florida.

Approximately 60 percent of the documents have been selected. The items not selected include additional semimonthly dealers' records; financial statements and calculations that duplicate the information in selected items; and unsolidited correspondence.



roh 24th, 1911

Thomas A. Edison, Esq.,

Laboratory

Dear Sir: -

By this mail, under seperate cover, I send you sample of Iron Oxide. This product contains 64.48% Iron Oxide. Could you use this product in connection with any of your many industries, and if so, can you set a value on it at which you could use it. Possibly there is one hundred thousand tons of it.

It has occured to writer that possibly you might use it in connection with your cement, to give same a tile coloring. Awaiting your kind reply, I am

very truly yours



GENERAL OFFICES AND WORKS, RAPID CITY, SOUTH DAKOTA

THE ROYAL MERICAN PORTLAND CEMENT COMPANY

CAPITAL, \$3,500,000.00

W)

Rapid City, South Dakota, April 3d 21811.

THOMAS .A.EDISON. ESQ.

WEST ORANGE. N J.

MY DEAR MR EDISON.

aus4/14,1 80 6 I take pleasure an mailing you to day one

of th Prospectuess of THE ROYAL AMERICAN PORTLAND CEMENT COMPANY OF

RAPID CITY S D OF Wich I am the Secretary and Treasurer . We have the greatest Cement Prepieiten that you ever eaw and it ie new just a question of getting it Financed and the plant built,

RR Edisen can you put me in touch with some one that we can intere with Capital or that eam interest Capital .

I am certain that you will be pleased with this .

I have made allusiem to your Coment Houses in our Book.

We have an inexaustable suply of the Best Faw materal and the Prepiciten is a Gravity one and it can be handled very cheaply, Thanking you for takeing up your time and Mopeing you can give

ue come Information that will help us , .

I REMAIN.

There and a Coment Co 6.6. prose East of the Museuman that Search

C. C. Crabtree

CALL OR WRITE TODAY

Ed- Hand

THE ROYAL AMERICAN PORTLAND CEMENT CO. APPLICATION THE ROYAL AMERICAN PORTLAND CEMENT CO., Rapid City, S. D.: DEAR, SIRS-Wishing to avail myself of your offer of one share of Common Stock FREE with every two shares of 7 per cent Camulative Preferred. I hearthy subscribes and agree to pay for Stock of your Company, with the Common fee par value of shares \$100.00 each. Enclosed find dark or money order, or the request that the shares be sent to your bank with draft attached. Name Address State. Street.

50 Church Street

Richard W. Long.,

New York.

Apl 6th, 1911

11.5 m 611

Thomas A. Edison, Esq.,

West Orange. N.J.

Dear Sir: -

On the 24th ulto I addressed you regarding Oxide of Iron and under seperate cover, on same date, mailed you sample of five product, but have not had the pleasure of hearing from you in reply.

Would very much like to know whether you can use this product in any manner, and if you can, what value it might have for you.

Hoping to be favored with your early reply, I am

Very truly yours

Delian Coffong

OFFICE HO. ESS

100

Richard W. Long.,

o/o UNITED STATES STREET SWEEPER COMPANY

HUDSON TERMINAL BUILDINGS NEW YORK

Apl 21st, 1911.

Thomas A. Edison Esq.,

West Orange. N.J.

Dear Sir: -

On the 24th ulto I wrote you regarding Iron Oxide, and by same mail sent you samples of the product; On the 6th inst I again addressed you on the subject, but have received reply. It does seem to me that if my communications had reached you I should have received the courtesy of a reply, I beg therefore to repeat the substance of mine of 24th ulto.,

Have you any use for Iron Oxide (64.48%) in its natural condition ?., Could you use the same for a coloring effect in connection with your Cement, or in any of your other industries ?. If you are interested shall be pleased to submit you further samples, and to have you make a bid on the product.

Awaiting your reply, for which I thank you in advance

very truly yours

THE NEWTONIA! NEWTON BROS., PROPRIETORS

SVI.VESTER NEWTON, MANAGER

Dear Sir

I am Hailing You a Small ficies of Comment rock I Jours on my land in Bushington co

Run This rock is said to be a fine Qualrock and from the best I Kum There is flents of it as Much as so asses right

by the side of this rock I have the

Slate I am sending it will Make fine Surreleboards brown had it lested for

that busines and for how flery ofit

about 22 dares that we owned I am Thanking to get some one to help un to

get the going and If you think the prof land State is good well you

help me to get Honey to get the

This auch frek and State lays in the

Thèls. Callof the Jos Thiels of allegames.



THE NEWTONIAN NEWTON BROS., PROPRIETORS

SYLVESTER NEWTON, MANAGER

I have tested the State in The Hearth r. 3 years and it is holding are OK. I call burn it and it dos not go Tofice but - Our Over Burial Time ofter Time. I would you to test This wek.

and State and tell me what you Said et good for I have had it-

tested by cheedered and they are says et is good Please let now her from

you by earlest - Onviewed - to blind give my your opine of the lock

Hlate (/ · House Vier

add 723 St. Dwaluag Duisville Ky

The roak Hat is in the shington Each Penn I Miles Voon The Sountin UK. 2 Wiles from Holic sheep, Give



SYLVESTER NEWTON, MOR.

Show a, Edison OMERSET, 1 : 1 KENTUCKY





4 PC

For Mr. Edison's desk.

W. D. M.

August 21, 1911.

Mr. E. Meyer,

Mgr. of Sales,

New York, H. Y.

AUG 22 1911

Dear Sir:-

I beg herewith to hand you a revised dealers' list, on which you will note that we give the total number of active dealers (those to when we have shipped during 1911) and the inactive dealers (those to whom we have not shipped during 1911).

Hereafter, the lists will cover only the two items, "Old Dealers Reinstated" and "New Dealers Secured", Dection with the details.

You will note that there is a large number of inactive dealers on whom we can work, and certainly a very large proportion of them ought to be favorable to Edison Cerent, all second conditions being equal, so there is a big field for your organization memong the people to whom we have not sold, as well as receple to whom we have sold and whose trade we have not retained. I would suggest that you take this list as of August 1st and show each one of your Sales Hanagers

-2-

just how many dealers he has lost in each State.

Yours very truly,

President.

WOM-RBS

MMCLOSURE: -

AUGUST 15, 1911.

Im Eduson

REVISED DEALERS RECORD.

	Total 7/31/11.	Inactive	Dealers "B"	Active "A"	Doalers "B"
Alabama,	13	0	11	9	2
Connecticut	68	29	0	39	0
Canada,	- 1	0	1	8	0
Disct. of Columbia,	ē	9 3	θ	3	9
Delaware,	13	g	.0	. 4	ο .
Florida.	29	0	15	0	14
Georgia,	69	0	48	0	21
Indiana	15	ō	10	0	5
Kentucky,	4	0	3	0	1
Louisiana	î	Ö	1	0	0
Massachusotts,	141	64	0	77	0
Maryland,	29	18	2	9	0
Maine,		19	0	27	0
Michigan,	ž	0	0	0	. 2
New Hampshire,		19	0	12	0
New Jampsittie,		19	0	45	0
New York,		127	28	258	34
North Carolina,		0	36	0	11
Ohio		0	50	0	27
Pennsylvania,		111	78	168	17
Rhode Island.		2	0	15	0 .
South Carolina.		ñ	37	0	11
		ň	1	0	2
Tennessee,		ŏ	ī	0	0
Texas,		14	Ö	31	0
Vermont,		8	15	7	4
Virginia,		ŏ	- 9	Ö	3
West Virginia,		ŏ	õ	ō	1
Wisconsin,	7838	223	346	695	155

Total No. of active dealers 8/15/11 - 850

Total No. inactive dealers - 788

Wr Edwar

August 18, 1911.

AUG 22 1911

SEMI-MONTHLY DEALERS RECORD.

	Total	Old De Re-ins		New De Secur		Total "A"	Total
		0	0	0	0	0	2
Alabama,	2 39	ŏ	ŏ	ō	0	29	0
Connecticut,	0	ň	ŏ	õ	Ó	. 0	0
Canada,	3	ň	ō	0	0	3	0
	4	ŏ	ō	0	0	4	o o
Delaware,	14	ō	0	0	0	0	14
Florida,	žì	ō	0	0	1	0	22
Indiana.	5	ō	0	0	0	0	5
Kentucky,	ī	ō	0	0	0	o	}
Illinois,	ō	0	0	0	1	0	1
Louisiana,	ō	0	0	0	0	0	0
Massachusetts,	77	0	0	1	0	78	0
Maryland,	. 9	Ó	0	0	0	9	ō
Maine,	27	o	0	0	ō	27	0
Michigan,	2	0	0	0	o	_0	2
New Hampshire,	12	0	0	1	o	13	ŏ
New Jersey,	45	0	0	1	0	46	34
New York,	292.	0	0	2	o	260	
North Carolina,	11	0	0	0	0	0	· 11
Ohio,	27	0	0	0	0		17
Pennsylvania,	185	0	0	0	ō	168	1/
Rhode Island,		0	0	0	0	15	12
South Carolina,	11	0	0	0	1	0	113
Tonnessee,		0	0	0	0	0	12 0
Texas		0	0	0	ō	.0	ŏ
Vermont,	31	ō	0	1	ō	32	9
Virginia,	11	0	0	0	o	7	3
West Virginia,		Ö	0	0	ō	0	0
Wisconsin,		Ó	0	0	0	0	158
WIROUIDIN,	850	0	0	6	3	701	798

Total 8/15/11, 859

SEPTEMBER 15, 1911.

SEMI-MONTHLY DEALERS RECORD.

Total	Re-in	alers stated "B"	New De Secur		Total	Total "B"	
Alahama	0	0	0	0	0	2	
Alabama,	ŏ	ŏ	ō	0	39	0	
Disct. of Columbia, 3	ō	Ö	0	0	3	0	
Delaware, 4	ŏ	Ö	0	0	4	0	
Florida 14	ō	o	. 0	0	0	14	
Georgia, 22	ō	0	0	0	0	22	
Indiana, 5	ō	0	0	0	0	5	
Kentusky, 1	Ö	0	0	0	0	1	
Illinois, 1	Ó	0	0	0	0	1	
Massachusetts, 78	i	0	1	0	80	0	
Maryland,9	ñ	0	0	0	9	0	
Maine, 30	ĭ	0	0	0	31	0	
Michigan, 2	ō	0	0	0	0	2	
New Hampshire, 15	ī	0	0	0	16	0	
New Jersey, 48	ō	0	0	0	48	_0	
New York,297	ē	0	3	0	268	34	
North Carolina, 13	ñ	Ó	0	0	0	13	
Ohio,27	ŏ	0	0	0	0	27	
Pennsylvania,192	ō	0	4	0	179	17	
Rhode Island, 15	ŏ	ō	0	0	15	0	
South Oarolina, 12	ŏ	Ö	0	0	ō	12	
Tennessee, 2	ŏ	Ó	0	0	0	8	
Vermont, 32	ñ	0	0	0	32	o o	
Virginia, 11	ŏ	ō	0	0	7	4	
West Virginia, 3	ŏ	Ó	0	0	0	3	
Wisconsin, 1	ō	0	0	0	0	1	
878	Б	0	8		731	160	

Total 9/15/11, 891

Note:"Old Dealers Re-instated" commpises such old dealers we have
shipped to during the month as had previously been eliminated
from our list as being inactive.



Pron. De al ..

OOTOBER 15, 1911.

W. 30 ...

SEMI-MONTHLY DEALERS RECORD.

Total		ealers stated "B"	New De Secur		Total	Total "B"
Alabama, 2	0	0	0	0	0	2
Connecticut 39	ŏ	ŏ	ō	0	39	0
Disct. of Columbia, . 3	ñ	Ö	1	0	4	0
Delaware, 4	ň	Ó	Ö	0	4	0
Florida, 14	ŏ	ō	0	0	0	14
Georgia, 22	ŏ	Ó	0	1	0	23
Indiana, 5	ō	0	0	0	0	8
Kentucky, 1	Ö	0	0	0	0	1
Illinois, 1	0	0	0	0	0	1
Massachusetts, 84	o	0	0	0	84	0
Maryland, 9	0	0	0	0	9	0
Maine, 31	0	0	2	0	33	0
Michigan, 2	0	0	0	0	0	2
New Hampshire, 18	0	0	0	0	18	0
New Jersey, 48	0	0	0	0	48	_0
New York,304	2	0	1	0	273	34
North Carolina, 13	0	0	0	0	ō	13
Ohio 27	0	0 .	0	0	0	27
Pennsylvania,198	0	0	1	1	182	18
Rhode Island, 15	0.	0	0	0	15	_0
South Carolina, 12	0	0	0	o o	0بوس	12
Tennessee, 2	0	0	0	0	_0	2.
Vermont 32	0	0	o	0	32	0
Virginia, 11	0	Ò	ō	Ů.	7	*
West Virginia, 3	0	0	0	Ů.	ŭ	3
Wisconsin, 1	<u>o</u>	<u>o</u>	<u>o</u>	9	7.0	3.00
901	2	ō	5	2	740	Tox

Total 10/15/11,910

Note:-

"Old Dealers Re-instated" comprises such old dealers we have shipped to during the month as had previously been eliminated from our list as being inactive.

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The Edward Down of the Control of th

Mr. E. Meyer,

Mgr. of Sales,

llew York, N. Y.

√ 00: 1**30** 511

Dear Sir:-

In connection with the letter which I have written relative to the Bradley matter, I want to state that I commence to see indications of a change in the condition of general business, which has been growing poorer and poorer, as you know, for a considerable time, and while I am not as yet ready to go on record as to the business conditions of 1012, I am commencing to believe that the total volume of 1012 business will be quite a little bit better than that of 1011.

If the indications which I now see continue up until January, I will then be willing to go on record as strongly as I did last year as to a change in conditions. Please note that I am writing about conditions and not specifically about conditions in the cement industry, as it is a question whether some of the cement mamfacturers would have sense chough to take advantage of the better conditions. You will remember that we had them in 1909, but Hr. J. Rogers Haxwell would

not lst us take advantage of them.

In making this preliminary prediction,
I do it with the full knowledge that next year is a Presidential year, also in the knowledge that Presidential
years do not necessarily mean a slowing up in business,
and the only reason that makes me heaitate at the present
time in being more sure of the conditions next year is
the possibility of tariff agitation. I will not go into
details in this letter as to the reasons for my assertion,
but if you are at all interested I will be glad to give
them to you some time when I am in New York.

You will remember that the latter part of 1910, and particularly the early part of 1911, when I I was predicting a poorer condition of business, that I practically stood alone, and it did look in January and February of this year as if my calculations were at fault, however, while I could not understand the spurt in business it did not change my opinion of 1911 business, which you know proved to be correct, and my preliminary calculation now is based upon the same statistics and reasoning as it was lest year, and has been for the past eight or ten years.

LOWELL H. BROWN 2 WALL STREET NEW YORK

aus"/1

November 1, 1911. or have

Mr. Thomas A. Edison,

West Orange,

New Jersey.

Dear Mr. Edison:-

It has been about ten days since I spoke to you about the maps of your magnetic survey of New Jersey, and I am writing to ask if they are roady for us to look over as you so kindly parmitted us to do when I saw you in your laboratory on Monday, the 20th of October.

The Sourch of Directors of the Company meet here on Ariday to discuss plans for our minos and Oxford furnace, and I hope you will see fit to arrange with us here at Oxford for the treatment of our slag to use in the saumitrature of your concrete furniture. I believe the location of our furnace and arrange with the continuous or you, and you may be cause to make on this stag, to assist you time with our concrete make on the stag. I will let you know.

About the time for our looking over your maps, would it be convenient for you to let us come to your laboratory some might as well as some Sunday? Mr. Peckitt, Mr. Hanon and myself desire to thank you very much for this opportunity.

Yours very truly,

Portit 47 A

Thomas a Edinon

D Cement

The Edison Portland Cement Co.

HOMAS A. HUSSON, Chairman of Bos F. S. MALLORY, President I. IINTON THOMPSON, Vice-President I. F. MILLER, Tressurer Ve. H. HOMME, Sery and Aust. Tress. Ingraph, Freight and Passenger Station, NEW VILLAGE, N. J.
P. O. ADDRESS, STEWARTSVILLE, N. J.

VILLAGE, N. J.

PHILADEL PIA. P. A reade Building New York, N. Y.

NEWS, N. J.

LE, N. J.

Boye- 24th, 1911-

Mr. H. F. Miller,

Orange, N. J.

Dear Sir:-

NOV 25 :11

We have your favor of the 23rd instant in reference to atstement of adjusting notes heald by Mr. Edison. We are enclosing hererith statement showing how we arrive at our uncerned interest charges. You will note that in cases where the notes are written with interest included in the face of same, for instance those of July 11th, August 14th, September 16th and October 14th, we have allowed earned interest on the amount of the note not including the interest up to November first and this we have deducted from the interest which we had allowed and added to the note at the time the note was written, the belance being the uncerned interest.

We appreciate the fact that on such large amounts it will make some difference in the interest item if calculated on the exact number of days or for monthly periods, and in view of the fact that the interest added to the note was calculated in round months we considered it to be more equitable to determine the uncarned interest by

Mr. H. F. Miller,

method above outlined. On the notes writton with interest at 6% per annum nemoly; March 25th and September 28th, we calculated interest on the months and days as shown on the statement.

We trust that on rechecking this you will find it to be correct and that our method of making the interest adjustment will meet with your approval.

We are returning the original state-

ment herewith.

Yours truly,

THE EDISON PORTLAND CEMENT CO.

fed/d

encls. 5

STATEMENT OF ACCOUNT .

Stewartsville, N. J.,

To THE EDISON PORTLAND CEMENT CO., Dr. STEWARTSVILLE, N. J.

Terms : Marsto 111 And ou 100 July 11 -.0186 117934-13 107346.25 77 .0 129 1384.77 3220-39 aug. 14 935.62 Sept. 15 3103-11 103486-88 46 796-46 2/38-35 och. 14 7/278-22 17 Soliatroli 344.52 52.60 Sept. 24 9570-00 100.3"

STATEMENT OF ACCOUNT -

Stewartsville, N. J., Nov. 1, 1911

Stewartsville, N. J.,

To THE EDISON PORTLAND CEMENT CO., Dr. STEWARTSVILLE, N. J.

Terms :	outstanden	no	tes.		
whendle		anex. 4	A To Kou	fret. to Very	
nov. 18	1	\$7009.58	253-42		
Jan. 11	earned int for 112 day en	11/45 24	1800.48	٠,	
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	White amend	174.01 63	1. Mr. 9	المعلم المناب	
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	of a Education automatical		Pright !	119,	
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	Charles Judices to	I	1 1	114 06812 1406819	

Stewartwille, N. J.,

Shore a bolison

Currend up

To THE EDISON PORTLAND CEMENT CO., Dr.

STEWARTSVILLE, N. J.

Term:

July 3

41.76

655.7

49.75

204.3

304.3

305.40

101.03

798.03

27.40

140.63

521-61

2.25

349.90

The Edison()	Portland Coment Company.
Youcher To The	os a Edison Da
Voucher	orange /
Annual Manager Control of the Contro	<u> </u>
E OF BILL	AKOUNT
	-4 V 4 /- V Y
Orditaudingn	otes & Int. adjust 1005. 1, 1911 per accorded 1344.068.10
munto lo	1344068 10
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zamined and found correct,	0,8 /4 X
	J. C. Nasan
Approved for payment,)
المحاصلين المستحصرات	the same and the s
	of the Treasurer of The Edison Portland Cement Co.,
	G "
tewartsville, N. J.,	Dollars,
full of the above account,	
*	





NOVEMBER 30, 1911.

SELII-MONTHLY DEALERS RECORD.

,	rotal	Old Dec Re-ins	alors tated "B"	New Dea Secure	alere ed "B"	Total	Total	
	SESSES	======	======			0	2	
	2	0	0	0	Ü	39	õ	
Albama,	59	ō	0	0	0	39	ŏ	
Connectcut,	4	ň	0	0	0	4		
Disct. of Columbia,	é	ñ	ō	0	0	4		
Delaware,	24	ŏ	ñ	0	0	0	25	
Florida,	95	,	ŏ	o	0	C	257	
Georgia,		Č	'n	0	0	0	o	
Indiera	5	0	ň	ō	0	0	1	
Kentucky,	7	ň	ň	ō	0	0	1	
Tilinois,	1	Ů.	ň	ĭ	0	85	0	
Unganchusetts,	84	Ü	ŏ	ñ	0	10	0	
Maryland,	10	Ü	ŏ	ň	0	33	0	
Maine,	33	0	Ö	ň	ō	0	2	
Wichigan,	2	U	ŭ	ŏ	ñ	18	0	
New Hampshire,	18	ō	ŭ	ŏ	ň	80	0	
New Jersey,	. 71	0	Ü	3	ï	282	35	
Now York,	210	0	Ü	, ,	'n	0	13	
North Carolina,	Ţo	0	Ų.	ŏ	ň	0	28	
Obio	27	0	0	ŏ	ń	185	18	
Pennsylvania,	203	0	ū	ŏ	ň	15	0	
Rhode Island,	To	0	ō	ŏ	ň	ñ	12	
South Carolina,	12	0	0	Ů.	č	ň	8	
Tennessee,	2	0	o o	0	ŏ	34	ö	
Vermont,	34	0	0	Ü	0	7	4	
Virginia,	11	0	0	0	,	,	5	
West Virginia,		Ò	0	o,	0	ŏ	ĭ	
Wisconsin,	i	ō	0	0	0	796	184	
MIGGOINTH'	047	0	0	11	2	796	704	

Total 11/30/11, ... 960

Note: -

"Old Dealers Re-instated" comprises such old dealers we have entyped to during the month as had previously been eliminated from our liet as being inactive.

COV.

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Concrete farmiter

JOSEPH COLONEL mobe see for gottonog Jola Jory aux 12/13 Mª Thomas W. Edison I read in the evening Journal the announcement that you would prom manuf concrete Juniture. I am handling a line of refrigerators and I have often thought that they deould be made from concrete Iwhich I believe is better then word he if the refrigerator could not be made from all concrete it certainly could be lined inside instead of zune or galvain voteel as most are now lines with. The material which you are going to use, will on place it on the market for rate of so, I would Ube pleased to bear from Town Respectfully

Comer. Ouridays

Che Dakota. Number One West Seventy second Street New York City.

Dec. 12, 1911.

aunyy

Thomas A. Edison, Esq., MENLO PARK.

Knock him tray that at I me Rock Coun they have a deposit of white Limited a cray of decade a Charge Limited the whole a Comment

Dear Sir;-----

Fine I was careful in the affice of The flaggolia flyrings control of the control

We see a lot in the papers the only bapis of which is
the very fertile imagination of reporters. But the forlowing might be of
interest in concrete work even if there is no truth in the concrete
furniture" item. Prof. Carpenter of Cornell made pure white and absolute
ly hydraulic Portland Cement from the lime rook I sent him when I was
General Manager of The Florida East Coast Hotel Co's., Hotels. This rock
is every where about Mismi and is 98.6 pure carbonate of lime. We looked
all over that section of Florida for the proper clay, silica and fuel,
but found neither. Now that Mismi harbor is open, coal barges and coal
achooners returning from Southern and Island ports could bring Mismi
rock to Jersey cement works, and I should think that the white cement
could be produced therefrom a very Aittle over the cost of the present

Che Ankota. Humber One West Seventy second Sirret, New Pork City.

2 T. A. E. 12-12-11.

There is certainly a great need for a pure white Bortdark product. I give you this just as a matter of information and as land cement.

a good thing to know even if of no use to you. I now have no interest in

With regards and best wishes I am Florida.

Yours very truly
Young very truly
Wanager.



I am enclosing under separate cover a recent copy of the Ohio Architect, Engineer and Builder containing an abstract of your New York Times interview on European architecture which has attracted attention here.

I have before me a copy of the New York Evening World of recent date, declaring your faith in the future of concrete furniture.

It strikes me that this subject is also interesting to the home builder.

I would like to ask therefore, whether it would be convenient to you to have my brother, Mr. E. A. Lloyd of New York, a very practical artistic furniture designer run over to see you and write us semething on the possibilities of the Concrete bed room Set.

If you can kindly communicate to him at 428 State Street, Flushing, concerning your desires in this matter, I will regard it as a personal favor.

very truly yours, W.S. Lloyd

WSL/EB

THE SIOUX CITY TRIBUNE

Confin

aring

SIOUX CITY, THURSDAY EVENING, DECEMBER 14, 1911. EDISON RECORD

DRON, FEDERAL PROBE OF WORN, DYNAMITINGPLOTS COURT

Hyde Jury Governmental Investigation at naway's Indianapolis Will Extend ental Into at Least 17

States. SH AIR" LIST OF 100 EXPLOSIONS

terfield He National Erectors' Associatio Helping Government-Inquiry Runs Back to 1905.

OLD TRACKMAN IS S NOT OVERPLEASED WITH THE SIGHTS

Tie Walker for 32 Years Visits New York On Way to Ireland-This Is His * First Vacation.

Rides in the Elevator, But

Thinks Nickel Too Much Money for Ride in the Subway.



CABLE ADDRESS MERCHMAN-NEW Y

Mr. Thomas A. Edison. West Orange.

New Jersey.

Dear Sir: ---

NEW YORK FURNITURE EXCHANGE

LEXINGTON AVENUE 46TH TO 41TH STREETS OPERATED BY MERCHANTS & MANUFACTURERS EXCHANGE

OF NEW YORK

NEW YADER

Our members are very much interested in the newspaper account of the concrete furniture, which you have perfected.

Our Forty Second Semi-Annual Convention and Exposition will be held here from January 15th to February 3rd, 1912, and more than 350 manufacturers will be in attendance, 500 traveling salesman and fully 3,000 retail furniture dealers from all over the United States. It has been suggested that all of our members would be very much interested in seeing a few pieces of your concrete furniture.

There would be no expense connected with the exhibit as far as you are concerned, and I will thank you to advise me whether you can provide us with a few pieces for display to our members at the time mentioned.

> Thanking you for early advice in the matter, I am, Yours very truly.

> > HEN YORK FURNITURE EXCHANGE

Concrete Turniture

Blum Brothers Inc.

Miladelphia, Doc. 15, 1911. 19th

We only wamfer though

(warring though

Thomas A. Baison Co.,

West orange, N.J.

La oración y amy times

Baring seen the enclosedin one of our Miladelphia papers.

Having seen the enclosed one of our mileasiphia papers, and being large users of furniture, the writer would like to dow if it would be possible to see your new product and get an idea as to the styles, qualities, etc. We are always looking for something new, and if it would be agreeable our buyer would like to go over to your factory, and take the matter up with you.

Very truly yours,

Ben F Mornson Buyen

B.F.M./F.

[ATTACHMENT/ENCLOSURE]

HILADELPHIA, SAT

CHEAP TO NEWLYWEDS, IS EDISON'S LATEST

\$200 Worth Will Furnish a House, and the Goods Wear Well

\$6 FOR A BEDROOM SET

Soon Be on the Market

System Durgens as 100 Me. N. J.; Dec. 2.

Thomas A. Edison, who moently salreigh the world by raying he would maked it possible to bild a concrete heard to ret 1000, went further today in the herical that soon harding, no that nowlywards, lostend of Ademing their homes on the installment plen with 4150 worth of dubtous chairs, tables, etc., can invest

way of resisting handles by fresh man, fresh

Concrete Farmiture Jose with the wolf of the OF STARKSIDE AVE. Mr. Thomas E. Edison, West Orange, M.J. Dear Sir;-We have noticed the different articles in as well as the Daily papers regarding your recent remarks on concrete furniture. We write to inquire if it would be possible to make a piano case in the same manner, and if same would be practical. Is this formula of yours for sale? If so, give us full particulars. Thanking you in advance for prompt attention, we are Yours respectivity, DIRECTION PIANO CO. JD-NCB It is also ellustrated in The to a position in fan worthes to because wife's theno cobinel

ALS/MS

Dec. 18th, 1911.

Mr. W. Rokert:-

Please issue requisition to the Laboratory, covering labor and material to design equipment necessary for the manufacture of the new cement cobinet. This requisition should also cover the superintendence of installation of the outfit, as Xr. Edison has detailed a man from the Laboratory to lay out and take charge of this work.

EMCCHEMENT INC DEPARTMENT

Per SALTZMAN.

Copy to Mr. Heister.

280 -

Thomas a ldison, lef.

Thomas a ldison, lef.

Thomas a ldison, lef.

Dear six:
at Janama, where
my father is becretary of the
Istimion Ganal Commission,
I have seen, both building
and affort, large barges
constructed entirely freinfred
concrete. In Italy, Jam tots,
lighters and bridge portions
of concrete lare been & used for
the last term years. In there co

provided the inspectors are satisfied with the strength and reasorthiness of the waste you have made been deliate salunet with of sourcete, finer and atronger than hardwood. If so, why can you not make railing, stanchious, plates, sele; every part of a ship lacept her engines.

the Vinted States, could not build of this material the colliers and freighters we med so sorely, both for our many and our merchant marine?

Im John Parrett, Chief of the Bureau of american Paperblus, has an und me that there is no legal obtach to present such shiphulding, 13

any reason why we, in

the Seven Seas to patch learly, rust-putted iron stamps. Many an old trump today is more than half concrete below the waterline. And that with warse, cruskly-missed atuff, slapped on anylow. Our larger on the Istimus are only a fraction of an inch thick, and yet they carry duch loads of ponderus madinery a whitship, or a milos; merely as a whitship, or a milos; merely as



a young man writing and lecturing for a living, proud of having seen the great with our people are dring on the Istamio, and fleatful lest we fail to make the most of it when it is done. Terhaps I am an impracticable vicinary, but I cannot see why a ship of reinforced concrete, needing no painting, fearing neeter, 53

barnacles nor the teredo worm; Show the shipbrulder manned not by poor devile and shipowners the inefficiency of shanghaid wastrels, but of their methods, as you did a small, efficient, well find crew of young americans, the street car men. Show such as we ree in our hung them how expensive is today, could not bring her their present slave labor owners profits and bring (which is today what it back our flag to the sigh was when Dana sailed seac. Our merchant marine round the Horn). If they came with wood, and went connot stomach a liner or a with iron; you could bring it buch will concrete. freighter, show them a carfloat or a 1000 tm barge for the live Earth.

Terhaps you have already throught of these things, and I am overely writing armeting for a bored secretary to dief into the maste bashet. But if you find any ideas in this letter that you care to followers, your dang so would be all the reward I well that, and your, firmen, if you have time to write you.

So It James thut, Rahmy, Mass. (1)

ausiyis Thomas A. Edison Es Dear Di - Yuse pour account of your Concrete F given in A. Y. Times. be pleased to know what mixture I am familiar with 1 you use. coment: 2 sand + 4 Stone : but for familiae I presume you use something I would also like to know how you get a polish or enamel. Very Tul-EA Jennings

Edison General File Series 1911. Cement House (E-11-28)

This folder contains correspondence relating to the widely publicized decoment of Edison's poured concrete house and its potential as a low-cost dwelling for workers. Most of the material consists of unsolicited requests for plans and descriptions of the projected house and for information regarding its expected date of evailability. There are also letters seeking an opportunity to exhibit Edison's model of the house, which had been displayed at Madison Square Garden in 1910. Many of the items contain Edison marginalla, usually indicating that a prepared circular should be sent in response. A few documents concern the independent promotion of pour concrete houses in Europe by George E. Small and Henry J. Harms, Jr., mechanical engineers and former Edison employees who had assisted in the design of iron molds and machinery for his concrete house construction.

Less than 10 percent of the documents have been selected. With the exception of a few samples, unsolicited inquiries have not been selected.

suprised to persive a reply, vialing May No becerse has been more HOTELS STAMES THE T WILL NOT be well will be well with the best of the well with the best of the well with the best of the well with the well that a conserve las made the proposition to the Government, poure a 1000 houses on the Golison Lest as stalet to you Hystom, and are basing their offer on hesers. Thomas H. Godison, Opange, M. J. a fixeure granted to them by you. It is very healy that oving to the great by justations everything a meter with the tolicon name rejoys, all the Bas Cotto, By ord faut in the name of the Cordmayor of Budapart, I lad the would over, but especially in my county honor of calling on to Edison on the 17th that this proposition will be taken novamber last, to make inquiries regarde parisusly into consideration, and well The poured Concretehouse Galin. accepted - Now Daw asked to captain Mr. Bolison has been good annugh yeart with regard to the livenes to make it alear to me, that nothing Shat this couchen claims to have will be done for a while in this case of obtained - great cutirely mable to explain no licence has been granted up to this this time, as Mr. Edison will not the matter, and could repeat the place it before the public until the words only Mr. Filison said to me, full sixe house is poured to his own Though Oswidently believe That satisfaction. The name and reputation of mr. I have reported this to the Modison is being fraudulently hungarian authorities, and am greath, mispepresented.

I would feel greatly obliged,
I you could kindly let me have
a per line by return, stating
feet no beauce has been granted
yet—Jam Sea your most respectfully
Registed Poroph Banch,
British &.Beldapert
Hangary

PHONE CONNECTIONS

mr/13/11

P. E. LANE

ENGINEER - - CONTRACTOR

ATLANTIO CITY, N. J. Jackson with an of the think your for the thickon with and calle will call with course to called house, I now how me

Tree. A/ Edison, Esq.,
Orange, W. J.
Dear Sir.-

atter anylund although

yours efforts to perfect a chien control round so enternal like to make the process of the total to the condition of the cond

Your philotronic dealing that the pure place mapping the content of the pure place and th

Without any thought of commencation, I offer this boase for your inspection and any nervices to be subset to make to control belongly you to perfecting moulds and place for subset and cheen control botton of monolithic houses. I wrastled with a great many problems, educating as to the contraction of the concrete before the moulds were recoved etc. Allof this experience and that gained in constructing the monolithic wain building of the Million Bollers Fier, is at your nervice.

Mrs. Lone and I would be pleased and honored to have you visit up in this house where it is possible your penetrating phaservation of a poured house that has been built and lived in for five years, mirst aid you in solving the disficult problem you have in mind.

Vaure truly,

HON. GEO. P. GRAHAM

PETER GILLESPE, B. A. BO

Canadian Coment and Concrete Association

57 ACELAICE STREET, E

lus 1/10/11

Thomas A. Edison, Esq., Orange, New Jersey.

Dear Sir:-

We have your favor of January 4th signed by Mr. P. H. Miller, explaining that the model exhibited at the New York Show will not stand shipment to Toronto. We would, however, repeat our request as far as the slabs and sample forms, which formed part of the exhibit, are concerned. These attracted universal attention and would in themselves make up quite an exhibit. If we could arrange with you to have several photographe taken of the model, and even if possible of the partially completed house in the yards of your laboratory, we believe they could almost be considered as satisfactory as if you could let us have the model itself.

We desire to put you to as little inconvenience as possible in this matter, but as we explained before we consider such an exhibit would materially enhance the value of the Show to everyone concerned.

Youre very truly,

CANADIAN CEMENT AND CONCRETE

J Suatel.

[ATTACHMENT/ENCLOSURE]

Canadian Cement and Concrete Association

57 AGELAIDE STREET, EAST TORONTO

aus 14/11

Thomse A. Edison, Eeq., Orange, New Jersey.

Dear Sir:-

The writer attended the New York Coment Show in the in-The writer attended the New York Coment Show'in the in-terest of the Canadian Gement & Concrete Association, and was particularly impressed with the universal interest taken in the model of your cast concrete association to the contract of the contract concrete concrete the contract of the contract o

Our Association is entirely professional in the nature and scope of its work, and at the forthcoming convention prominent representativee of Cement and Concrete Engineering, Manufacturing and Construction from various parts of Canada will discuss the phaces of the industry. Our Cement Shows in the past have been remarkably successful, except from a financial standpoint, and the fact that there has always been a deficit standpoint, and the fact that there has always been a deficit is matificatory proof that they have not been run as money making ventures. We are enclosing with this a copy of our size forms of application for space, but end this only for the ske of the floor plan of the St. Lawrence Arena which it will follow the st. exhibits directly from Chicago to Toronto. It is the opinion of the writer that the granting of this request will be of material assistance both to the Canadian Cement & Concrete Accociation and to this Cement Show.

We sincerely trust you will see your way clear to accede to it.

Yours very truly.

GANADIAN GEMENT AND CONGRETE ASSOCIATION.

Secretary-Treasurer

[ATTACHMENT/ENCLOSURE]

Third Annual

CEMENT

AND

CONCRETE EXHIBITION

Under the Auspices of the Canadian Coment and Concrete Association

· ----

TORONTO

St. Lawrence Arena

March 6th to 11th

1911

PETER GILLESPIE

WM. SNAITH
SECRETARY AND MANAGER
57 ADELAIDE STREET, EAST
TORONTO

aus 1/18/1

Madeson of the way to the the training of the state of th

Dear Mr. Edison:

Are you looking out for the artistic character of your concrete houses, getting good models to begin with?

Remember that there is a special ring in Hades (not mentioned by Dante) for the man that lets an ugly building be constructed when it might be beautiful.

Now throw your brickbut at me!

Yours, with old-time admiration,

Mr. Thomas A. Edison.

Real Estate Exchang

and Auction Bound of States and S

Thomas A. Edison, Esq.,

Dear Sir:-

I was very much interested in examining the model of your concrete house and various moulds at the Real Estate and Ideal Homes Exposition at the Madison Square Garden in New York May last, and which I described to the Directors of this Exchange as its most interesting feature.

The Directors, feeling that the ownership of homes was a fundamental guard to the family, and that therefore, the erection of small dwelling houses should be strongly encouraged in Boston and its sister communities, woted to encourage the holding of a similar land and home exposition in Boston to be held April 3-15 next.

They have also authorized the award of a prize of one hundred dollars for the best plan of a small dwelling house, which is to be shown at the April Exposition, to be based on tasteful design, econom ical construction and interior arrangement.

No exhibit could be more interesting to the general public and the home-secker than your model of the moulded concrete house, especially in a city like Boston which needs the small house, and you would oblige us all by showing it to us in Besten in April as was done in New York last spring.

The enclosed circular explains the action of the Directors in favoring the Exposition.

Hoping for an early and favorable answer,

Very truly, yours,

[ATTACHMENT/ENCLOSURE]

REAL ESTATE EXCHANGE AND AUCTION BOARD 4, LIBERTY SQUARE BOSTON

Real Estate and Ideal Homes Exposition.

HORTICULTURAL HALL

APRIL 3-15, 1911

Boston, December 10, 1910.

TO MEMBERS:

A local Real Estate Exposition, the first of its kind in this country, was held in New York at the Modison Square Garden May 18—5 last. In this exhibition there were assume that the Modison Square Garden May 18—5 last. In this exhibition there were assume the related hand development for residential occupation, with land some interesticts, showing houses, roads, trees, etc., and forming reduced the control of the state of the stat

The success of the first enterprise encouraged its projectors to announce a second similar exhibition, to be held in New York April next, in the Madison Square Garden, and the example has spread to other cities.

The question of encouraging a similar exposition in Boston was referred by the Directors of the Eccianog to a Committee, which reported favorably and advised that the endorsement of the Exchanog be given to such an enterprise but without seeking profit or incurring financial risk or liability.

The Directors, believing that the holding of such an exposition in Boston, to embrace the land attractions of the entire Greater Boston community, would be highly educational and operate as a desirable similus to the acquirement of homes—a true basis of a firm real estate market and of a healthy civic force—at a special meeting held November 1 last, worde the appointment by the President of an

[ATTACHMENT/ENCLOSURE]

ADVISON COMMITTEE to advise with the organizers and managers of the enterprise as to details, regulations and advertisements, providing that no financial liability or responsibility be placed on the Exchance, with power to add to their number and to select a General Committee of those especially interested or who may desire to encourace the holding of such real estate exhibitions.

The Advisory Committee believes that the interests of real estate in the Greater Boston cannot help being subserved by such exhibitions, which if properly supported may become popular annual festivals of home progress. No community in the world can assemble more varied and attractive landscape miniatures of lands awaiting the home-seeker. The man who desires to own a home, but finds no time for inspection of the many scattered sites in Boston and its suburbs, is given the opportunity through such an exposition to examine and compare many such sites together in a single evening, and to be shown at the same time attractive plans of houses, economical methods of good construction, dwelling necessities and conveniences, with approximate estimates of cost, etc., etc. Pactory and water front lands may also be shown to advantage at such an exhibition.

The Greater Boston Real Estate and Ideal Homes Exposition, Incorporated, E. J. Rove, President and Manager, 8ac Colonial Building, 10e Boyston Street, Boston (Telephone Oxford 416), will organize a Real Estate and Ideal Homes Exposition, which will be held under the anapies of the Excansor and with the advice of the Advisory Committee as to details, regulations, etc., at Horticultural Hall, April 3-25, 1911. Mr. Row, of the firm of Green & Rowe, is highly commended to the Committee as an experienced exposition organizer, the firm having managed many exhibition enterprises in Boston and other cities, and lately closed with success this year's Mechanica Exhibition. Applications for prospectus and other information should be made to the Exposition Company at the above address.

The Advisory Committee bespeaks the cordial and hearty encouragement of the members of the EXCHANGE for the enterprise through the display of lands or otherwise. The co-operation of all others interested in real estate will be welcomed.

ADVISORY COMMITTEE:

FREDERIC H. VIAUX, Chairman. A. DUDLEY DOWD.

MARK TEMPLE DOWLING. PAUL M. HAMLEN.

SAMUEL H. HUDSON.

ARTHUR H. WILLIAMS.

STEPHEN W. SLEEPER.

NATIONAL, No. 1136 ARGYLE. POST OFFICE, No. 136.



Telegrams:
"GLAZING, GLASGGW."

from Potier, Stewart & Hardie,

AGENTS FOR BUILDING SPECIALITIES.

93 HOPE STREET,

Glasgow. 26th January, 1911

Thomas A. Eddison, Esq., Orange, New Jersey. Best and

Deer Sir,

In reply to yours of January, 10th, would you kindly say when Mr. Eddison's experiments are likely to be finished, and oblige.

Yours faithfully,

Rolling to Make a Summer

ORACLE PRACTICAL AND A SECRETARY-TREASURER PROCESS ON THANK THE PROCESS OF THE PROCESS OF THE PRACTICAL AND A SECRETARY OF THE PRACT

Real Estate Exchange and AuctionBoard

BDARD OF DIRECTORS
CHARLES PRANCES ADAMS, 28
AMONT ELD: C. WEAD
ABL. H. PROOTOR
& SUNNES ORANES
JOHN F. RETNOCOS
JAVIE W. PRENCE
SOWAND W. CORETE, Jr.
WELLAM C. COCKM.
ATTHIR H. WELLIMS
JOHN T. ROGFORD
FRANCLIN F. ROGFORD
FRANCLIN F. ROGFORD
FRANCLIN F. ROGFORD

APPLE

appleton Building, No. 4, Liberty Square February 6, 1911.

162

Thomas A. Edison, Esq.,

Dear Sir:-

We were much disappointed at receiving your letter of the 26th Jamury last saying that the model of the Edison concrete house would not bear transportation to Boston for exhibition at the Real Estate Exposition to be held here April 3-15.

We understand that a small model about 2 x 3 was shown at the late Gement Show. Would it not be possible to have this model shown here or even a large photograph with samples of the models? The management of the Exposition assures that space for such an interesting emilbit would be furnished without expense.

Asking a favorable answer at your convenience,

Very truly, yours,

FIKE ...



GREATER BOSTON REAL ESTATE IDEAL HOMES

and AuctionBoard TO BE HELD AT

HORTICULTURAL HALL, APRIL 3-15, 1911 ERIC H. VIAUX, CHAIR

SAMUEL H. HUOSON A. DUDLEY COWD ARTHUR H, WILLIAMS

Mr. Thomas A. Edison, Orange, New Jersey.

Dear Sir:

Mr. Frederic H. Viaux, Societary-Treasurer of the Real Estate Exchange, who are giving the above Exposition, has requested me to write you concerning an exhibit by the Edison Portland Cement Company. Mr. Viaux informe me that he has a letter from your Secretary stating that it is impractible for you to ship the model that you now have of the Edison poured cement house.

I suggested to Mr. Viaux that we could have a model made here by a Mr. Baston, this model to be made either of wood and covered with a M. Desson, the more to se made either to wood and covered with a conting of cement, or made entirely of cement and to be the same size as the one you have at Orange. I will guarantee that this model will not cost your Company over \$100, processly less.

The Real Estate Exchange, composed of the better class of dealere and operators of Greater Boeton, are very much interested in getting an exhibit of your poured coment house and if you will permit us to go shead with a model las suggested above, the expense of same not to be more than \$100 to you, we will lay you do this best spaces left in the expesition, without cost jury you can thirt by the Radison Ossant Company, including the model and moulds of the poured cement house.

We will feature your exhibit in all of our advertising, including the newspapers, and thereby attract such attention to your Gement Company that cannot help but secure considerable direct business. The. Mr. Baston referred to is an expert model maker and makes all the models for Olnsted Brothers, the well-known Landscape Architects, and several other well-known architects and builders of this city. Mr. Baston is now executing an order for a model of the Mational Snownut Eank of Boston who will exhibit in the Reposition.

Er. Saston tells us that he can execute this work in a satisfactory manner if he has a photograph of one or two sides of your present model. This sockl, or course, will remain your property at the expiration of the exposition and could be used in other exposition work.

I will appreciate it very much if you will carefully consider this matter and decide to be represented with us. Hoping to have an early and favorable reply, beg to remain

Vours very truly,

GREATER BOSTON REAL ESTATE AND
IDEAL HOMES EXPOSITION, Inc.

, w

EXPOSITION BULLET

PUBLISHED IN THE INTERESTS OF THE GREATER BOSTON REAL ESTATE AND IDEAL HOMES EXPOSITION 100 BOYLSTON STREET, BUSTON

SCOPE OF THE EXPOSITION Admirable Location for a Display of Features

Admirable Location for a Display of Features
Essential to a Home Beautiful
There dues to lead the tendential of the second secon

Vot., 1. No. 1

GARDEN AND ACCESSORIES The Ideal Homes Exposition Ottors Exceptional



E. J. ROWE. PACEMENT AND MARKET H. P. McNALLY, Earten OFFICE, 100 BOYCSTON STREET

POSTON, PERRUARY, 1911 FOITORIAL

The purpose of this little paper is to The purpose of this little upper is to cally your particular attention to the Greater basion Real Extract and Ideal Home-phase Real Extract and Ideal Home-phase Inc. of the Control of Massachasetts and Handington accumes, from April 3, include April 15, includes. This exposition, the tirst of its kind of the Control of the April 15, includes. This exposition, the cript of the Control of the Control is best in the planning, the Indiago, the empirement, the adorament, the improve-ment and the corrisonment of the undern

ment and the environment of the succient deciling-place of domestic life will be in-cluded in this superbly arranged exhibi-tion, from the house bailding to home industries; from the plane of the architec-to the finished product and all that peer to nake the home broutful, conformise and secure.
The principal factors, after the design-

"The varieties of factors, after the design-ing, are possiblely the leading, the Right-ing, the ventilation, the farnishing, the decorating, and the preparation of feedy-and all or the properties of feedy-ard all or the properties of the pro-ting there will be many practical, survival registers, and it is another and far reach-legist there will be many practical, survival fightless, and the mass of basen be-overed insolente purse the possibilities of getting a beam and, when unce it has been se-cured, the making of it the sweeters place spen earth.

OFFFR PRIZE FOR PLANS Prize Offered by Reel Estete Exchange for Best

First of Level Indian.

The little control of the little l Plan of Law-Cost Building

REAL ESTATE DEALERS. ARCHITECTS AND BUILDERS Method of Exhibiting at the Real Estate and Ideal Homes Exposition next April

Whites alriany much thought to the most substantial class of eithers in the milester, the emerging library method of comparison of the com

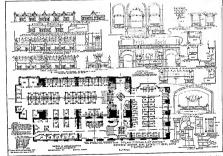
wit subtlet it to Keal Estate on total Bennez Espatition, April 2-15
interference Espatition, and there is individual sub-corring can also be shown, in the cryoty reason above they no neighbor to the cryoty reason above they no neighbor to the cryoty reason above the correct to the cryoty reason above the correct to the cryoty of the cr



MODELS IN WOOD, CEMENT AND PLANTER PARIS. — One of the methods by which Real Estate Desires, Builders and Architects with exhibit at the Real Estate and Ideal Renes is appositude, April 3-15

February, 1911 Greater Boston Real Estate and Ideal Homes Exposition Bulletin

Extraction | March | M



Detail Plan of Space and Section of Greater Boston Real Estate and Ideal Homes Exposition, Horticultural Hall, April 3-15, 1921

DESIRE FOR OWNING A HOME

HEATING AND LIGHTING Two Examples Features of Ideal Homes, Which

DESIRE FOR OWNING A HOME

BOAL OF HE AMBUTION OF ALL CLASSES OF MEN

IS Strong in the Heart of the Savage of Various

Lands and Climea as well as in the William of the Boat Civilized Peoples

May be a strong to the Heart of the Savage of Various

Lands and Limea as well as in the Car mellity model

In the Heart of the Boat Civilized Peoples

May be a strong to the Heart of the Savage of Various

Lands and the Heart of the Savage of Various

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Lands and the Heart of the Savage of the Heart of the

Republic Iron & Steel Company

Mr. Thomas Edison, Mar 123/11 x O

In reading technical magazines and other paper

bearing on the work of concrete I have become very much interested in the Edison Concrete House, especially the plan of the twoand one-half story house to be shown at the Chicago Concrete Show, cost \$2500.00.

In this section of the country the concrete house is unknown, cement block, brick and wood being the only style of This locality is composed of three towns, all architecture. adjoining, with a population of about 125,000.

Will you please give me full infomration in regard to these houses, who owns the patent right to same, who I could get to put up a sample house, what finish could be put on the inside, in other words, give me complete information The first house I would for a six room house and bath. like to have built by some builder who thoroughly understands I believe the house would take very well and in this work. that event considerable business might be secured in this locality.

The house which I have in mind would have a large

Republic Iron & Steel Company

Sylvan Works Moline Ill,

living room across the front of the house, with a small reception hall, a fire place in the living room, and dining room and kitchen on the first floor with three bed rooms and a bath on the second floor.

Thanking you for any information you can give me in regard to this, I am,

Yours truly, C. J. Dabney

MICHELIN TIRE COMPANY



Mr. Thomas A. Edison, c/o Edison Storage Battery Co., Valley Road, West Orange, N. J.

MILLTOWN, N.J., U.S.A.

real of the

Dear Sir:-

Please find enclosed a letter received from our French firm addressed to you, translation of which we also enclose.

> Yours very truly, MICHELIN TIRE COMPANY

Direct your reply to Engineering Dept.

RM/MCH

PLEASE ADDRESS ALL COMMUNICATIONS TO THE COMPANY DIRECT.

[ATTACHMENT/ENCLOSURE]

MANUFACTURE

CAOUTCHOUC

FONDÉE EN 1832

BARDIER & DAUBRÉE 1832 BARDIER DAUBRÉE & CF 1803 ERNEST DAUBRÉE & & CF 1804 d.C.BIDEAU & & CF 1807 MICHELIN & & CF 1809

Telegrammes: PNEUMICLIN.CLERMONT-FERRAND

TÉLÉPHONE INTERUNDAM CODES:

PIEBEN-8 WICHERN

ADRESSER LA RÉPONSE A MICHELIN & CO-SERVICE B

Prèces Annexèes :

Clermont Torrand, le 6/2/

Musicurs Michelinæ (

Monsieur EDISON

Monsieur.

Nous avons lu avec un vif intérêt les articles parus dans plusieurs journaux français à la suite de l'innovation: que vous avez faite en construisant des maisons économiques, goulées en béton de ciment dans des moules en fonte.

L'accroissement rapide de la population ouvrière de notre Ville ayant fait augmenter dans des proportions considérables le priz des loyers, nous avons, depuis quelques années, cherché à remédier à la pénurie et à la cherté des àogements en construisant des habitations saines et économiques pour les nombreux ouvriers de nos usines.

C'est ainsi que depuis deux ans nous avons édifié, sur les nombreux terrains achetés dans ce but, trois grandes maisons collectives, renfermant près de 100 logements, et près de deux cent cinquante maisons individuelles, groupées par

Nod Nº 134.d F.

[ATTACHMENT/ENCLOSURE]

MICHELIN & C.F.

Monsieur EDISON

le 6/2/11

-2-

deux, par quatre ou par six.

Les demandes de location que nous recevons chaque jour plus nombreuses, nous font un devoir de continuer la réalisation complète de notre programme, qui comporte encore la construction de plus de cinq cents maisons individuelles.

Dans les études que nous poursuivons pour la x construction de ces habitations, nous semmes constamment guidés par le désir d'aller vite et de les faire économiquement, de façon à baisser le plus possible le prix des loyers et donner ainsi à la population si intéressante de noys cuvriers le marimum de bien être pour le minimum d'argent, c'est pourquoi nous avons pensé que vous voudriez bien nous autoriser à mettre à contribution votre grande expérience en nous indiquent les cuvrages traitant des habitations que vous avez édifiées, les Maisons ou Sociétés construisant d'après votre invention ou les personnalités susceptibles de nous donner les renseigements qui nous intéressent; plans, devis, prix de revient, prix de location, etc...

La solicitude que vous montrez pour le personnel ouvrier américain, nous fait empérer que vous vou-drez bien, en raison de la similitude du but que nous poursuivons, acoueillir favorablement notre demande et nous faire envoyer les renseignements que nous prenons la liberté de vous demander.

Veuillez agréer, Monsieur, avec nos remerciements, l'assurance de notre considération la plus distinguée.

Mileti

513.0 F 147

Translation of a letter from Messrs Michelin & Co., Clermont-Ferrand, France, dated Feb. 6, 1911.

Mr. Edison.

Dear Sir: -

We have read with great interest the articles appearing in many of the French magazines regarding the innovation that you have made in building economical houses of concrete in cast iron moulds.

The rapid increase of the population of the working people of our city having increased the rent in considerable proportion, for a few years, we have tried to remedy the scarcity and the high price of tenements by building sanitary and economical houses for the numerous employees of our factory.

It is thus that during the past two years we have erected on the large tract of land bought for that purpose three large houses for accessdating one hundred tenements and about two hundred fifty individual houses grouped in twos, fours, or in six.

The increasing demand for rents received daily leads us to continue the complete realization of our programme which still includes the construction of more than five hundred individual houses. In our studies for the erection of these tenements we are constantly guided by the desire of rapid work and to build them economically so as to lower, as much as possible, the cost of rents and thus give to the interesting population of our employees the maximum comfort for the minimum cost. Therefore that is why we thought that you would kindly authorize us to

take advantage of your broad experience by informing ue of the works treating of the dwellings you have erected, the name of the firms constructing them as per your invention, or the persons able to give us the informations interesting to us: plan, cost, rent, etc.

The interest that you show in the American employee leads us to hope that you will, considering we are following the same purpose, favorably receive our request and give us the information for which we take the liberty to ask.

Thanking you in advance, we remain,

Yours very faithfully,

AMERICAN NOVELTIES

(C. E. LAYTON & COMP.)

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UNTERZÜNDER -EVER-READY-DES LAYTON ENTWICKLUNGS-APPARATES F. TROCKEN-PLAT-TEN OHNE DUNKELKAMMER DES LAYTON FERN-ÖFFNERS FÜR TÜRENSCHLÖSSER

DES LAYTONS ZUSAMMEN* := SCHIEBBÄREN THSCHENOFENS FÜR ZIMMERERWÄRMUNG DES LAYTONS ZUSAMMENLEG*

DES LAYTONS ZUSAMMENLEG-BAREN TOURISTEN- UND MILI-TARZELTES

DES LAYTONS ZUSAMMENLEG-BAREN LEINWANDBOOTES ETC. ETC. ETC.

KORRESPONDENZ IN DEUTSCHER, BÖHMI-SCHER, UNGERISCHER, FRANZÖSISCHER, ITRLIENISCHER, ENGLISCHER UND RU-MANISCHER SPRECHE.

0



We bring great interest in the invention of Mr. Thomas Edisons cheep buildings for workson constructed through the process of soulding.

As there is just now a great movement supported by the Jovernament in regarding the buildings of cheap houses for industrial and country workmen the above mentioned invention is also in Austria-Hungary of great importance and will not need much trouble to found a society here at once, when the invention is made public in the right way. As we are in close connection with the gentleman, who has to refer as Relings of the proper part of the country-workmen, we can say, that we would be able to firtroduce the above mentioned invention with the prospect of a surely result.

We beg of you to let us know the conditions under which you would give us the representation of your hon, house not only for Austria-Hungary but also for the other states of Kurope-

We await the favor of your answer and remain

Yours faithfully

C.E.Layton & Comp.

C. Edwin Layton

To the hon. Manager of Edisons-Park

U.S.A.

The second of th

Mothing pleases me more than
to been Engineers peel
thecrosed or on second
as to the Containing of feeling
of Experiment, as collect
of my wholes are function
there the noof the

SCIENTIFIC AMERICAN MUNN & CO., INC., PUBLISHERS 261 BROADWAY, NEW YORK

ARB/R

February 28, 1911.

Thomas A. Edison, Esq.,
West orange, N. J.

The March mid-monthly number of the Scientific American is to contain a number of articles on the subject of Portland cement. We are sending you a galley proof of one of the articles, written by Mr. J. P. H. Perry, of the Turner Construction Company, Which may interest you, for the reason that reference is made to your system of constructing monolithic houses. Mr. Perry states very frankly that he considers the difficulties in the way of your system unsurmountable. We believe that Mr. Perry is right, but desire to be entirely fair to you, and would like to hear from you on this subject. We are informed that you yourself have serious doubts of ever solving the problem.

Yours faithfully,

te Structures Without Seam or Joint

By J. P. H. Perry

M ONOLITHIC concrete houses may be grouped into the face claster, fireprend, send-fireprend, nun-fireprend, and the jumpose of this article is to describe, first, how the houses included in each of these qualifications are built, and, second, to show the advantages such possets to the property of the possets of the poss compared to other and perhaps better known of house construction,

my "monodible' concrete is ment; concrete poured in place in distinction to reserve mode had blocks at a s central point and distributed and then laid after the manner of brick unit.

manner of brick work.

The fireprond concrete bonus is a house whase wills, floors, and rund are of reinforced concrete, it is not essential list; the wolls be all of concrete. Brick, in field stane may be used for the exterior and the fraing work of the house made of vanieties, but his case, only the all-concrete home will be discussed, as it is assumed that the man in the street is familiar with the slope or brief the man in the street is familiar with the stone on tretch hours. Despite the vigorous publicity and subvirtibing companies on the part of the current amounterturer and the contervie contractor to the effect that converted hourse, can be built as cheaply as the frame house, such is not the fact. A conditional contract to the alternated house may perhaps be obtained at a prices reasonably close to the near conventional class of hours. But in the general sense of the word, a concrete house will east cons re money than the frame house as we know it The construction of a concrete house is not ease different from the construction of a reinfe except that it generally better workomaship and more careful detail desi-

better workunsnish) and more vareful delail designing. To secure a good concrete house, o prospective builders must do two things. First, employ as architect who is fauliliar with the design of relationed concrete houses and who will straw planes which he expects will be ex-cuted in concrete and which he knows run he executed in concrete. Second, to have a contractor who is ex-cured in this class of construction and moder no cla nces let the contract to the ordinary muons b local hoilder who knows little or nothing of e work in general, and especially of rebifor

the architect and the contouctor stort in from the ginning to moke a concrete house. architect and the contractor work ingether, but must have the active co-operation of the own-must have appreciation on his part that he is g get a concrete loans and not a base hullt of ru ich be expects will look like a stone or a brief If these conditions are met, it is entirely possible to turn out a home which will be serond to none in its ex-There are a number of magnificent concrete hous tered about this rountry which are in every way sati factory to all porties who have had onything to do wi them. The details of the construction of these concreuses are many and largely technical. It will be in-sible within the limits of this article to go for into escription of them. One or two points may, however,

fur, to the wilters belief, no sullsfactory form or sold system after than that of worden forms has be and in fact in the popular press, about as and uniform forms, etc. Up to date none of ystems' have pauven especially evolumient, and in only e or two instances at all practical. Name of them ins en inhibited to may extent for large work. The design the forms and their bandling is a metter largely of perferre in so putting the forms logether that they is the tight to precent lesionge of the concrete and be lifefully strong to sustain the load of set concrete in sufficiently strong to austini the land of well contexte to proper affigured intill the concerted has set. They must also be an designed as the best of the proper and the set of the set of the proper and the proper of the prop upon repeated use of forms

The materials which go to make up the concrete are in general Portland cement, clean sharp smal, well goaded, and either genvel ar broken stone. The chader of the gravel or broken stone will in many cases be a multice of considerable study as it is possible to inhalm beautiful effects in the inhibited concrete with carefully selected

aggregates.

The design of the flaors and walls us far as their strength is concerned is a matter of pure engineering and one which has become so largely standardized at the present the that it need not be taken up berein.

The chief consideration in concrete lenuse building is the character of exterior and interior finish to be ab The cited consideration to coursel beam building to the cited consideration to convert beam building or the cited. The cited range is buildin in good of several supply. The ourself camp is bell as ill is towar from the theory of the cited courself of the cited courself of the production of the cited courself of the cited courself of the cited courself of the cited courself of the cited and remove any irresploitable on the sardners the outself of center during the cited courself of the cited courself of the spinot its forms and thus represe the since or great-suring proceeding of making production of the cited courself of the cited courself of the cited courself of the creating occurs of modern leaders and cited of historical states greatly of the cited courself of the cited courself of courself of the cited courself of the colories.

discretion of the argisters with the sideles and experience of the continuous. The interior double, depends on the restituent of the value. One become product of the product of the continuous readow. This attravent on the substitely lated up for freezen to the sum-handred of course feedbed and most his substitute of the course of the course of the course for the course of t

There is no white a series of a construct was the Terre is an existence point about an all absorates home which the lymns has praining rached in the subst as which the lymns has praining rached in the subst as the result of th

laid on wonden steepers inhedded in chidre conserve whiles rests me the structural part of the floor. There are office ways at laying wonden flants anch for landance as inhedding, the top surface hoored directly in a mixture after dainy stand which is laid on the structural concrete. A

and annd which is half on the structural concrete. A woolen floor half on the structural concrete given a very heavy and consequently n-sunud-proof floar which is nevery way satisfactury.

The cellings or the under side of the floors may be pade flat if desired, are the heave, or ritis, or joints can be rhawn and either painted or pinstered on the credited desired.

architect desires.

The installing of plumbing, heating, lighting and ventil-sting systems goes ahead in a concrete loone with little more difficulty, providing proper study is given to these specificon, then in the noure conventional type of construc-

rys, stairways, clusets can all be built of co ith entire satisfaction

eith entire satisfaction.
The advantages of an all-concrete house have been obned ast so frequently in the current press, and much has been heard off the success of renuerch industrial missings that it will satisfac to bint at rather than detail. fness of a concrete indiding is its primary

an arcpromates at a concrete manning is its premary antage. To be sure the insurance question on the or-ary milarhan or iletached country louise is alarest negactuating. To lie safe the statement question limited are lightly of the recommendation of the statement of

may room as described and a second and the description of the content and its description of trainlie, in homselves—reds, such, mocks und alber meardurable pests have in he cainstainfy fought in the undisorty peer of misses. A considerably fought in the undisorty peer of misses. A considerably fought in the undisorty peer of misses. A considerably and the content of the content of the content of the convert of the convert

ment no no assumement control and new in even it is probabled in the personnel of conclude and its try live con-incident of the personnel of the control of the con-tention a control load in the control of the con-trol of the control of the control of the con-trol of the con-tro

sted in. On a large ed as above outlined of n cost which will not ex-limit an imasonry wills sual frame interior con-tion as is the ordinary case by such over 10 per Ametion as is the ordinary case by nucleo over 10 per cent to 1 bp er cent, and may even und exceed at all. Compared to an all-frame bases; concribe will man per-page 20 per cent it to 10 per cent uners to cost. On very large houses it is prosible to half concribe at a cost about 1 in boding at the cost of a basic basever, the same contract, price. In particularity the cost of a basic basever, the same contract, price.

value of adultional the protection, repair times, depresa-tion charges, vernia loss, and the other annual unkeep flems are considered, and exclusivel, it will be found that a concrete lonser list appears higher in first cust, is in the east, the heat investment that it is possible to make in bance hullidary.

the cost, the best investment that it is possible to make be a first which present the control of the wide, and the through the three were diried but there states. All that has the bases were diried but there states. All that has the control of t to be considered and it will in 'mainy cases up tomus profitable to spend a little mane unancy and pet a concrete roof than to try to creasurate. In talking of z concrete roof, the totes should not be obtained that so "mostling" will be necessary. It is practically impossible to infall a concrete roof which sounds to worterlight unless it is treated with tor and roofing felt covered with the profit of the control of the co gravel or slag. If it is preferred, state or special tile graves or sing. If it is preserves, some of spervit means to used with concerte industrigenusly. In dr-lipting roofs for concrete lumoses, every effort should be much to keep the roof fint, so that the cross of the forms for forming the concrete are not expensive. If penied, or string the concrete are not expensive. If pended, of able roufs are shown on the plans, the costs of con-nelling the same to concrete comes very high. The destrucing the same of concrete course very man, los de-sign of a concrete hunse can be made must acceptable if that roofs or very slightly shaping roofs are specified. The other class of momultible house noted berein is non-The oner reas if monutons are no control only for fireproof and contemplates the use of concrete only for the foundation and with, the laterior and roaf being all wood or other material. This house is in no score firewood or other nuterial. This house is to no scene fire-proof, though it is unquestloundly more freeproof than all-france house in that in the event of fire the walls at least will be left standing, and enody for toe again. This type of house has several advantages over the ordinary type of house has several advantages over the ordinary type of house, had ders not carry the high quality that an at ouncrete house does. He cost is low in small booses-Where several practically allke can be put up at the same those costs have been obtained which were nowly the junter and in some lustances less than a first-class frame

struction of these concrete wall houses is a unitier of careful study and experimentation by small local initiders, and by architects who are enthusiastic mod interested in trying to do away as far as possible with ti interested in trying to an away as far as passible with the terrific fire loss in this rountry. Mr. Eldson's made talked-of-cast from forcas for the workman's banes have not as yet been found practicable. There has never been an Eldson house built, and in the apinism of most practical cuncrete men, one never will be fulfit. The profi-tion of house built as a second of the profit. secon in transmoso mus. some un the input. The power for the control of the contr ill avalem seems to be a series of sheet from forms ds which are made interchangeable. these moulds is not apparent to most cone: It has been found that shuller work can hlers. It has been found that summer so, by noding ne us economically, and probably more so, by noding theory wood forms made of punch so that they are the bandled by workness. At Forest Hills, Long handled by workings. At Forest Hills, Long d, the Suge Foundation Houses Company is doing is large scale and it is hoped that with the large re it harps is the and It is hoped that with the large resource available, a shaple conserved house can be worked out-which will be all concrete and we'll within the reach of the small moneyed man. At present this is not the case ex-cept for basses, with wells only of concrete. G. V. COLLINS. SOLIGITOR

AND NOTARY PUBLIC TOR NEW BOUTH WALES SOUTH AUSTRALIA.

lir. Thomas A. Edison and

West Orange

Dear Sir. I thank you for your pamphlet on your

I must ask you to pardon my persistence, but, in view of the great a and rapid development of these States and the demand for all classes of houses, the influx of immegrants, building of railways, and settlement on the lands of the States ,I have diescussed with somefriends the practicability of forming a strong Company to utilise your system of house-building in Australasia (that is in this Commonwealth and W/Z/ H. Z. for the erection of Hotels, Shope, Workmen's houses and Country and Suburban Residences,

Our forests are becoming stripped of all useful building timber, consequently all such materials are costly and we feel that, your re-inforced concrete buildings will be erected cheaper and quicker than by any eystem now in vogue here,

My colleaguee are moneyed men and any reasonable royalty can be arranged for the right of exclusive use of your system here, or, if preferred your patent rights for Australasia purchased,

I think this about expresses the present state of the matter as far as we are concerned, and if satisfied as to the perfection of your eystem, we should feel obliged to you if you would be so good as to send me such Plans and Specifications of Hotels, country and

G. V. COLLINS.

SOLIGITOR
AND NOTARY PUBLIC
COMMISSIONER FOR AFFIDAVITS

ron New South Water . Mr. Edison

4/2/11

Stroud,

suburban houses, octtages and shops as you are kind enough to spare me, together with full particulars as to manufacture of mould concrete, and other material required, and the approximate weight. Of formulate together with such other information as you may deem nod-

If on hearing you are disposed to entertain my suggestions, and you can afford me a sight of your plans and specifications so that we may know better where we stand, it is probable one of my friends will come across and confer with you and finally settle matter a tan early data.

Awaiting your reply

Yours faithfully

Colling

elly dear ell Es nay possible remember that we In ation bome mouths ago, in pegand to your coment houses, and that I thought they might be adapted to this Country, if she delled to suit the chmate I understood you to say, at the timo, you were not quite ready to in duce their The Central Chapano is Pane factors in the world its ont last year being & 32 blo bags of It has, within its own lands, so 10,000 people, between emplo The Gam ollanuet Sugar undo the Same admirker now breaking from the for another Contral factory of equal capacity, for which the dane with he or

THE CHAPARRA SUGAR COMPANY

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CHAPARRA
PATERN UNION CODE

NEW YORK OFFICE 145 FRONT STREET HAVANA OFFICE SAN IGNACIO SE

CHAPARRA, CUBA.

There will be many building required for residence, as well as for mechanical funded for tenantor than families (families of your will knidly send me some details for his overnments will dubmit

Chemo to General ellavio I clleweal, the General ellanagar who is an ac

the General Manager were & complete Complated engineer and has complete

charge of the work of book Centrals charge of the work of book Centrals, with regards, Years very truly

and regards of June Horrich

Olean addrew Care Culcan Am Guzarlo Sim Ggnacid 82

RACY & CARTER - MAUDE M.

Dear Mr Edison!

Your favor of the 6th inst. at hand with coolet regards the new concrete houses.

We have in our city one of the best concrete men in this part of the country who is .ery much interested in your invention.

Such houses as yours would 'e of great benefit to our people as we have a large number of nice people in our county who are only in noderate circumstances who would like to own their o'n home 'ut cannot afford to pay the 'ig prices as 'ed for the modern houses.

aThe plan of myself and associates is to put ug a number ou jour concrete houses and then let the reo le have them on

parments. we have quite a number of well to do farmers in socialistic party sho are interested in this natter and who are willing to put un noney with us for this nurpose. Kindly ad ise us as soon as possible regards the matter in

.uestion.

Yours truly. Fred H. Ynacy

13.5 P Street We had the pleasure of playing in Fort Meyers Fla. last winter .Ny cousin Presno Calif.

Wrs Dan terme has her winter home there on the same side of the rier as yours. Fut

TONIGHT TONIGHT



TRACY

(not Harry but Fred N.)

CAPTURED BY

(MAUD)

CARTER

(No kin to Nick Carter)

\$1,000.00

if these people are not the R GHT ones to entertain you.

See Them

Barcroft Opera House

FONIGHT

and every night this week

This is the Highest salaried act we have played

Complete change of Program
Every Night Propular Prices 10 and 20 cents
HAWKINS BROS., Proprietors

TELEPHONE Nº 718

P. O Box 1453

LOUIS L. PLAYFORD,

LATIN

Explication Buildings, Johannerburg. Transonal.

24th April, 1911

Thomas A. Edison, Esq., West Orange,

New Jersey,

Dear Sir,

in account of an interview with you on stated that you were working on

I have been reading an account of an interview with you in the Kmas Munsey in which you stated that you were working on a plan by which you hoped to cast a house out of cement as a foundry oaste a car-wheel out of iron. I hardly imagine that it is necessary to apologise to you for writing you direct on the subject of your invention, since in that way only oan I obtain reliable information. If you have completed the invention as suggested I would like to point out that South Africa and particularly the Transvani is more in need of a cheap though substantial building than most places. The Witwatersrand Gold Fields today easily cooupy first place in the World's Gold production, and you can well imaging extending as they do for some 40 miles in length embracing ceveral important townships of which Johannesburg is the head, what a large population has to be catered for. In all South African towns building is extraordinarily expensive, skilled

-labour-

TELEPHONE Nº 718.

P. O Box 1453

LOUIS L. PLAYFORD,
SOLIGITOR.

TELEORAPHIC ADDRESS:

"LATIN."

Code: A.B. C. 5th Edb

Esploration Buildings Ichannesburg. Trabsonal.

-2-

labour is very dear, and carpentere, masone and such like can not be had under £1 per diem, added to which nearly all material except bare bricke has to be imported. We cannot sven make here roofing tiles or chingles, and from one end of South Africa to the other Galvanised Iron Sheets are used for roofing. An ordinary 5 roomed house of the bungalow type coets £1000, and would probably realise £12 per month rent. The Johanneeburg Municipality now extends to a radius of 6 miles from the Market Square and in this area are some 50 ceparate Townshipe, many of them innocent of any buildinge whatever. With very few exceptione all such Townships are laid out in Stands of building plots of 50 x 100 ft. each. Here, as in other parts of the world Building Societies flourish exceedingly and most of the houses occupied by the middle classes have got mortgages upon them. From one end of the Main Reef to the other there are wast heaps of tailings, i.e. residues from the Stamp Batteries and cyanide plants, which consist of very finely ground quartz etc., and these thousands upon thousands of tons of useless material would probably form an excellent admixture for cement.

To overcome the enormous demand for houses various attempts have been made to impart wooden and even cardboard houses, but -these-

TELEPHONE Nº 718.

P. O Box 1453.

LOUIS L. PLAYFORD,
SOLICITOR.

TELEORAPHIC ADDRESS
LATIN.
Code: A.B.C. 514 E47

Explaration Buildings, Ichannes burg. Transvad.

-3-

these have generally proved unsatisfactory. Lime is plentiful, and recently a cement Factory has been established at Pretoria, 25 miles away by rail, which promises well, so that probably little would have to be imparted in this respect. It would occupy well nigh a 3 volume Novel to give you an idea of the state of affairs as regarded building in this country, but put briefly the housing question looms very large on these Gold Fields

It occurs to me that you may not have thought of this country as of sufficient importance to patent your invention, but
whether this is so or not I am most anxious to secure the right
for South Africa, or at all events the Transvaal, and should be
more then obliged if you would open negotiations with me on the
subject. I shall'be quite able to assure you of my likelihood
of being able to undertake such business whether you chose to
establish an Agency here or to sell your rights out and out, in
which latter case I should have to form a Joint Stock Company
to satisfy your requirements. I may say that I am a well known
citizen of this town, and for some years occupied the position of
fulf Magistrate for these Gold Fields. I am now practising as

TELEPHONE Nº 718

P. O. Box 1453.

LOUIS L. PLAYFORD,
solicitor.

TELEGRAPHIC ADDRESS:
"LATIN."
Code: A.B. C. 5th Edit

Expliration:Buildings, Ichannes burg. Transonal.

-4-

an Attorney. It would probably be presumption on my part to give you a history here of the Transval as a Gold producer, but when I point out that the Transval Gold Mining Companies have up to date returned £75,155,240 in dividends to chars-holders you can judge of the importance of the place for an invention such as yours. There is a constantly increasing demand for reinforced concrete on the Mines themselves which will so doubt in the near future assums enormous proportions, and when one considers the unlimited coal supply right on the spot you can understand my anxiety to get into touch with you on this question. No trouble would be too great as far as I am concerned to give you every possible data you might require, but in the mean time I am most anxious that another mail should not go out without addressing you on the subject, however cursory this latter may be.

Yours faithfully,

Louis Blayford

P. L. V. V. D. R. Markette Mar









:445,447,449 & 45I WEST THIRTIETH STREET New York.

of a very large plant in the city of Eliza-

beth for the manufacture of our products. We have been informed that you have recontly perfected some sort of a cement construction

which you can recommend for this line of work.

It is our intention to erect several various buildings, all of which will carry a live load of over 200 lba. por square foot, and we will be pleased to receive some further information from you in reference to this construction, either by appointment, or letter. Thenking you for giving this your attention we beg to

remain

Yours very truly

AMERICAN BUILDING CORPORATION

TELEFORNE BAYS WANTH

Mr. H. A. Miller, Edison Laboratory, Orange, N. J. 299 BROADWAY

NEW YORK, U. S., OF THEY 18ther

governo gla see y sur Cours of with

Donr Mr. Miller:

I don't know why they soft me the molosed lattes of course I am

now in the business somewhat (as per enclosed book), but refuse enything that fells into my dish under felse colors.

If I have your permission, I will act upon the inquiry in befitting ennner.

Yours tespectfully,

AMERICAN BUILDING CORPORATION.

Hal Toulet Pros.



RCHITECTS AND CONSTRUCTING ENGIN 12 EAST 45TH ST. NEW YORK

Aus 6/3/11

Thos. A. Edison Esq., Edison Laboratory, South Orange, N. J.

Dear Sir:-

Inquiriee continue to come to us concerning the

Edison Cement House. The last is from the B. O. Bosore Co. Commission Merchante in New York, who ask whether the house is yot on the market and on what terms they could procure the oxclusive agency for Greece. Any further information that you can give us, will be of great accietance in answering the many applications.

Harm Hacheile

McH/LM

AMERICAN BUILDING CORPORATION

F. G. LAMBIE, PRES. A SEN. HOR. E. C. SEARLES, RESY. A TREAS. CABLE ADDRESS "JELAMCO"

299 BROADWAY

NO. LOT LONG SERV.

NEW YORK, U. S. A., June 15th, 1911.

(NN orange, H. J.

Ly dear Lr. Killer:

I enclose letter from Kr. Ellingwood. He met kr. Edison when he was Supervising Architect on the Fenn. R.R. Station in New York City (he was then connected with Eckim, Heade & White-E.Y.).

I think that he, Edison will give him the names. I rether you would not show the letter to ir. Edison an perhips it models : little "Frenh" at the outstart, but Ellingmood is nincere and only means that he, Edison is the grantest friend the whole world has over soon.

ours sincerol: Laurlie

Enclosure.

Day Char is No secret st find growing Concert with sand aromacl taggingates 1/2 with with plenty of conter will with a concrete their will oflow 50 feet of turn Corners Edward

AMERICAN BUILDING CORPORATION

P. D. LAMBIE, PALE, 4 GEN, MOR E. G. SEARLES, ERRY, 4 TRANS.

299 BROADWAY

No. 137 Long Scs

NEW YORK, U. S. A., June 23d, ____191 1.

H. A. Miller, Esq., Orenge, N.J.

Dear Mr. Miller:

I wish to thank Mr. Edison for the information in behalf of

my friend Ellingwood, and have sent some on to him at Montreal, Ganada.

Yours respectfully,

HD Lambie



ALBANESE

62, Rue Saint-Lazare, PARIS

TRAVAUX SPÉCIAUX EN BÉTON ARMÉ

TELEPHONE : 161-35

TELEORAMHES :
ALBANESE · PARIS

Costs: A. B. C., See Écotion - LIEBERS

OBJET:

Concrete-Houses.

G. S. ALBANESE, INGENIEUR Epitione Parate Laconatory Isso-Issi General Electron Company, New-York Issi-Iss Cie Françaire Tromico-Houston, Paris Isso-Iss Paris, to Syl Angust-1911.

H.F.Miller Req. Secretary to Hr.T.A.Mileon, CRAWN H.J.

Dear Sir,

With further reference to my correspondence of last year in reto the Comercie Houses designed by Mr.Mison, I now take the liberty to ask you whether it is true that Mr.Mison has already given over his rights for Murape to a symilante called M.O.O.mai handed by Moure-Rume & Small.

I hear that these two gentlesses have already ercoded some house (after the Misen system) in Helland and that they have fulthermore taken patents in their own mane.

Toe weeld greatly oblige me if you would please left me inser whether what proceeds is correct. As I wrate you long ago, I am partioularly interested in comprete construction, and I would use my best offorts to handle these patents in Surope (or rather in the Latin countries) should the matter to still span.

I days hape you will common so for the trouble I am giving you and I would be entrumely pleased if I could reciprocate in some other way, although large has few interesting things to offer to U.S. With kind remote to My. Million and he yourself, I beg

to remain,

Ca Marine

2052

August 21, 1911.

Mr. G. S. Albaneso,

62 Rue Saint-Lazare,

paris, France.

Doar Sir:

Your favor of the 3rd inst. to Mr. Harry F. Miller has been referred to me, and in reply I beg to advice you that Mr. Edison has given no rights whatever to any syndicate in Europe in connection with his concrete houses.

I em adviced that Mooses. Harms and Small wore employed by Mr. Edison some time ago but were discharged by him.

If you can advise me what patents these two men have taken out I will be much obliged, as possibly they may have secured patents on inventions made by Mr. Edison and developed in his Laboratory.

Yours very truly,

FID/IN

General Counsel.

G. S. ALBANESE, INGENIEUR

MEMBRE A. I. E. E.

ECHOS'S PRINTE LEBORATORY 1880-1881
INFORM SUCCESS OFFICERS, NEW-YORK 1881-1894
IS PRINCIPLE TO RESP.-HOUSTON, PARIS 1885-1894

TELEPHONE NO 161-35

ADMINISTRAÇÃO

COSSI:
A. D. C. 5⁴⁴ ÉDITION - LIEBERTS

OBJET:

re-CONCRETE HOUSES .

Mant

Paris, to September 6th . 1911.

62, RUE SAINT-LAZARE (PLACE DE LA TRIRITE)

Mr.Frank L.Dyer, Edison Leggl Department, Orange N.J. U.S.A. Confidential

RECEIVED
SFP 18 1911

RECEIVED
SFP 18 1911

RECEIVED
ANSWERED
FOREIGN DEPT.

Dear Sir.

I am in receipt of your favour dated Aug.2I, and in answer thereto I have pleasure to enclase herewith a few documents concerning what I may call "the Hurna-Small bluff" to defraud M.Edison of his legitimate work.

You will note that the French Patents of which I am sending you official copies are taken in June-July 1910 and their respective numbers are 417,652 & 417,854

The first has appeared in the "EATHBORE of the most papular Partials additios. The second one is from the Common a trade paper of rather limited importance. In the tricker, M. School is out of the most paper of rather limited importance in the concrete house built in some control of the concrete house built in the concrete house built in the M. Ram's design, patents and ideas.

the private banker who is supposed to pays separate the harmonic state of the supposed to pays some the the same Small European patents and the Muller some time ago correction before I waste to the suppose of the correction before I waste to the suppose of the Circular letter is:

To will notice that the heading of the Circular letter is:

Loulded Houses (Edison System) ???????
I have asked M.Refoubelst why do MM. Harms and Small mention
M.Edison at all; if they pretend to exploit a system invented
and petented by them? A clear and definite answer was not forth-

which will perhaps smable you to take radical steps to ctop what appears to be to general conduct. I can also most gratified to appears to be of some with M. Edison (who as you perhaps know be able to be of some with the saily institute) in the first in the saily institute in the first ing the matter of the saily institute. In the saily institute in the saily institute in the saily institute in the saily institute. The saily institute is the saily institute in the saily institute in the saily institute. The saily institute is saily that you will now heat tate to put a to contribution for any that you will now heat tate to put a to contribution for any further information, I beg to remain,

COSMOS

5 AOUT 1911

piorro préolouso. — Un remarquoble de béryl vient d'être découvert par un ret turc dans une velne de pegnatitie dans dat de Minas Genese, au Brésil; on extince que c'est a plus grosse plerre qui alt jamais été trouvée (le béryl, on le sait, c'est l'êuneraude ou l'aquamarine, suitent as celevation).

La forme cristalline de cette gemme est celle

habituelle, un prisue hoxagonal terminé par ée passes plates. Els meures 48,5 em de longueur et de 40 42 cm de diametro : elle pées 140,5 Eg. Le crital est à pur et si transparent qu'il soit translacide dans le sens de la longueur et qu'un rayon visuel le traverse d'une base à l'autre L'Iunreux mineur a reçu 125 000 francs de sa trouvaille.

CONSTRUCTIONS MOULEES

La Commo a signale magicie los contratitios mondes imaginies par M. Elition, mile, pour des causes diverse, elles nots para complétement fount on pay se "rigino. On attribue oct insuecis à ce que l'aginiteur de N. Elition, M. Harm, qui a corpus la formula de survirie l'implian decessaire, mais qui on geste le severia, aptité N. Elition decessaire, mais qui on geste le severia, aptité N. Politor qui on contrate qui on contrate que ma des contrates qui on contrate que ma monte en elles contrates qui on monte de la contrate qui on monte en elles contrates qui ma mole, Les mortiers qu'il empide sont trop empaste, si on des timostre lo contration étage

Fig. 1. - Maison modelée en cinci le coulage du coment.

par étoge; il en résulte qu'on ne peut édifier per ce système que des édifices peu élevés.

Contrairement à ce qui se passe trop souvent pour les inventions spi, concess dans le vieux monde, ne trouvent leur application que dans le moreaux, les moisons moulées n'ayant por réussi en Amérique oblément un saccès inoticends de ce oft de l'écoint, voici que l'on vient de construée à Sondpoort, en Iteliande, et d'un seul jet, une mission moulée. Il faut dire que M. lianu y a apporté son expérience, son secret et so collaboration.

Le plan de ce petit immeuble est dû è un architecte bollandois, M. Herlage. Les monles constitués

par de nombreuses pléces sont du système imaginé par M. Harm, et, ce qui est plus essentiel encere, la composition du mortier employé due à ses traraux. Si M. Harm a imaginé les moules et le mortier nécessaire, que reste-t-il pour la gloire de

M. Edison? Les moules étant montés, un éclufaudage sou-



Pig. 2. — Maison moulée en ciment :

tient au-dessuo du bătiment l'appareil distributeur du mortier, appareil formé de plusieurs entonnoirs. A Sondpoort, les trous de coulée étou au nombre de quatre, le remplisage s'est fait en in a heur leures; après deux jours, on a pu procéder au démoulage.

On a noturellement besucoup distaté le « pour » et le « contre » de cette nouvelle méthode de construire.

N: 1385

COSMOS

147

ostličtique et fort monotone.

peut fort bien établir des moules de différents dans un style différent. modèles, les ontremèler, ce qui éviterait la mono-

./ Heaucoup sont il'avis que l'aspect d'uno villo tonie; on peutégalement donner différentes nuances forméo de maisons faites « au moule » seroit peu aux mortiers liquides et aux ornementations. On pourroit encure foiro des groupes do potitos Mais, o dit M. Berlage dons une conférence, on maisons dons un style, et à côté un autre groupe

D'ailleurs, les moules ne duroront pas éternelle-



PIO. 3. — MAISON MOULÉE EN CHIEST QU'ON ACHÈVE DE DÉMOULES.

ment, et quand ils seront uses on en fera d'outres, d'aspect différent.

De nos jours, l'architecto doit chercher à construire des façades variées, s'il no vent tomber oussi dans le royaume de la monotonie; les moisons jetées au moule exigerent de nouvelles études, voilà tout.

Le grand ovantege de ces nouvelles moisons, c'est qu'elles sont, por leur construction même, assurées contre l'incendie, qu'elles sont hygiéniques, sotides, bon marelsé, et qu'on peut les construire en quelques semaines.

M. OF LA CHAPELLE.

LA DESINFECTION DU SOL EN HORTICULTURE

de hactériologie no sont pas seulement applicables, comme on le croit souvent, an traitement préventif nu curatif des moladies contagiouseo. Les microbes sont tellement répandus à le surface de la terre et jouent un tel rôlo dons l'agriculture et dons certaines industries que leur étude permit d'apporter à de nombreuses technologies les plus utiles perfectionnements. Et l'on peut voir actuellement, dans toutes les distilleries industrielles par exemple, les ouvriers travailler de la même façon et par les mêmes méthodes qu'un Pasteur. La seule différence

Les découvertes éloborées dans les laborotoires est dons l'appareilloge : les récipients de la distillerie sont plus perfectionnés et de bien plus grandes dimensions que les matres de l'illustre savant.

Une de ces opplientions pratiques des méthodes bactérlologiques, très intéressante quolque peu connue, est la « stériliention du sol ». Ou sait qu'un milien de culture, c'est-à-dire une substonce liquide ou solido contenent les éléments nécessoires à in nutrition de certains microbes, est dit « stérilisé » quand it ne contient aucun germe vivant. Dans toutes les expériences de bactériologie, la stérilisation joue un grand rôle : on ne peut naalyser,

MOULDED CONSTRUCTIONS

The Compos lately adviced of moulded buildings, devised by Mr. Edison, but for various reasons, they have not turned out a complete success in the country of their origin. This lack of success is attributed to the fact that the empineer of Mr. Edison, Mr. Horn, who invented the necessary formula for the liquid mortar but who has kept the servet, has left Mr. Edison. What is cortain is, that up to the present, this latter has not been able to complete an entire house, moulded in a mould. The mortars that he uses are too solid and the construction must be set up, etery by story; for which reason only edifices of small elevation can be made by this system.

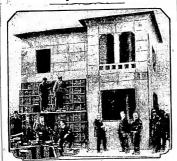
It goes on to state that these house have obtained great mucescs in *urope and that a mould house has just been constructed at Sandpeort, Halland, with one pouring. The plan of the house is one of an architect of Halland, Mr Berplago. The moulds are of the system deviced by Mr. Harm, also the mortar therefor. Four holes were used for moulding. Filling is finished in six to nine hours. After two days the removal of the moulds was possible. Some object that houses would be very uniform but Mr Berlage callings that moulde of many different forms can be made.

Rough translation.



Lundi 5 Juin 1911 AGENCES A L'ETRANGE Jules MADELINE, Président

ÉDISON FABRIQUE DES MAISONS au moyen d'un moule



La maison est terminée, on enlève le moule

La vielliesse d'Edison ne connaît point le à Santpoort, en He repos. Le célèbre inventeur américain vient, en effet, do mettro au point uno Je ses dernières découvertes, destinée à révo lutionner de fond en comble l'art de bâtir. Pour construire des maisons à bon mar-ché, Edison imagina de les fabriquer en série, en les moulant, do même qu'en coule des pièces métalturgiques.

nouver-quo la fron-it eui-région, de Fez à en e, une roupes santes, ste a les nt de-nt de-nt de-

er la

e pour us des unuse-

coute des pieces métaturgiques.
Pour u mouter sun maison, on rivo
deux séries de caissons en fonte qui forment les parols extérieures et intérieure
de l'édifice. Ces caissons peuvent prendre
tes formes les plus vartées. Leur combinaison permet à l'architecte d'établir des plans
différents.

LA DÉLIMITATION LA CHAMPAGNE

Après l'avis du Conseil d'Etat

Le Concoit d'Etat a transmis hier dimar che dans la matinée au ministre de l'agriculturo le projet de décret rendu same à soir au sujet de la détimitation de la Marno of de l'Aube.

Le dispusitif de ce décret est conforme aux indications que le Matin a été en mesuro de publier dans son dernier numero, Le gouvernement examinera le projet dane to conseil de cabinet qui cora tenu mercredi, à neuf houres du matin, su ministère de l'intérieur, cous la présidence de

Après lo conseil de cabinet se tiendre. à l'Elysée, un conseil des ministres, que

présidera M. Fallières Ajoutons que M. Monie, président du co sell, a rogu hier, à la fin de l'oprès-midi, M. Pame, ministro do l'agriculture, avec qui il e'est entretenu de la question de la délimita-

L'AUBE EST MÉCONTENTE

Mas-stur-Arme, 4 Julin. — Be Ferrory spe-mited as defense as record or multi- un bel-promen Medicine as record or multi- un bel-promen Medicine — 100 M Intrivide de Ma-dra, 4 dessa heures, groun a contra delsa su-to. 100 M Intrivide de Ma-los, 4 dessa heures, groun a contra delsa su-leta Millera de present per sentingo en lett. Millera de present le vague expert que le gouvernement en voucies plas accidentes pire de toutes poor sous indérédi-cientes de la medica de la medica de les de la medica de la medica delsa del les de present de la medica dessa del Cest in celabación de la premier percise de la maria. Cest in celabación de la premier percise de la maria.

sement au second plan
tas les preuves que no
nous gratific d'un titre
gne de seconde zone. F
crète que nos vins ns 1
gés aux vins de la Mar
choir de leur noblesse.

M. Delca

THE ARTICLE IN THE MATIN

states, in a few lines much of what was stated in the commes.

Tour Les constructions and the construction of the construction of

OUNTEROUNT. 30, Note on Legister

(20 (etcl. 4.5) Note of Pubble
LIMOGES, 272 Doughthouse Algorithms (1) and 1 and

Action of pinning, le réductor d'els Alemandés estre au sur la crea actual de la contra crea de la contra de la contra crea de la contra del la contra de la contra de

En Bajeon Cintaditr on Interior vegetation and the second coulties (Système EDISOR)

Transport of the control of the cont

Ainsi que vous pouves en juger, par d'article du "Matin" du 5 inin, le problème de la Kaison économique est

Le modèle qui figure sur le "Estin" n'est pas un type
uniforme, car avec ce système. I'on peut faire n'importe
quel genre de bâtiments et de n'importe quelle forme, tels
que villas, maisons de repport, usines, locaux industriels etc
l'indeconcité est très importante. In effet d'après le
ant l'indeconcité est très importante. In effet d'après le
ant l'indeconcité est très importante. In effet d'après le
ant l'indeconcité est très importante. In effet d'après le
ant l'indeconcité est très importante. In effet d'après le
ant l'indeconcité est très importante la lime au l'indeconcité est l'indeconcité e

Il est à remarquer que pour les constructions actuelles, l'architecte a pris ses prix minima, tandis qu'au contraire pour les constructions par moulage, il a pris ainsi qu'on pout en guger par la main d'oeuvre des prix maximums.

Enfin d'ores et déjà, avant même que l'exploitation ne soit commencée, les demandes de constructions de grand nombre de villas, neus sont parvennes, de la part d'administrations très imposantes et commes, ainsi que de bon nombre de propriétaires.

Le procédé est breveté dans tous les pays du monde.

Cette note est très succincte et n'expose que la
question de principe, le rédacteur n'étant-mallement
technicien. Si l'affaire intéresse, l'on se tient à la
disposition des futurs contractants pour aller sur place
o'est hedire en Hollande mattre emporant, touses les questions nécessires pour les éclairer.

Les apporteurs demandent pour le Brevet français
2500 0000 france "Suppose" et 25 % dans 158 benefices. Cette
ter amplicamparticitéed de vin être dair nous monte along d'apport
e'il s'agit d'une soulet anchyme nouve ulong

A models in the one is "main" nictive in the militare, an area of existing the part fairs aligner's qual rows of batterie of on the order models from the green village, maintained a reproductive states.

H.B. - N'ayant pour la moment qu' pue affite de photographies de la maison en coura de construcțion. Il me miest pas de la configuration de la maior en coura de construcțion de la configuration de la maior en construction de la configuration de la maior en construction de la configuration de la configurat

gnone le chiffre de 40.144 france. Il ost à remarquir que pour les constructions actuelles. l'architecte a pris ses prix minime, tandis qu'au contrai e

BAMOUR A REFOURELES

15 Bouleyard Malesherbes Paris

Moulded Houses, (Edison System)

Ac you may judge by the article in the "Eatin" of the 5th of June, the problem of the economic house has been colved, thanks to the invention of Mr. Edicon.

. The model figuring in the "intin" io not a uniform type, for with this eyeten, ope mpy construct any kind of a building of any kind of form, such as willse, connected houses, workshops, industrial plants, etc.

Their economy is very important. Indeed, according to the attached work, do done by a Partician architect for a group of ten houses, made per Mitson system, we obtain a price of 10900 frames, while for the same group, representing the usare surface of construction, we reach the figure of 40144 frames. It is to be remarked that for the present constructions, the architect has taken his minimus prices, while on the contrary, for constructions by modifier, he has taken the maximum prices, as one any judge by the workmanding. Already, before their exploitation has commoned, requests for the construction of a large number of villas have come to hand, from very important boards no also from a good number of owners.

The process is patented in all the countries of the world.

This navies is very questinet and only sets forth the question in its principle as the writer is in no way a technician. If the matter is of interest, it is open to future contractors to go directly to the place, that is, to Holland, to obtain a colution of the necessary question.

The collers ask for the french patent 250 000 frames, such and 20% of the profite. This participation characteristic characteristic in assertion of joint stock company.

P.S. Only having, at the present, \$\delta^{\text{N}}\ \text{certee} of photographs of the house in course of construction, it is impossible to currender it. I am doing what is necessary to procure others.

Again let me otate, a reply in principle io all that ie in question.

FRANCIS M. SUTTON & CO. EXPORTERS

au 10/18/11

17 BATTERY PLACE

Thos. A.Edison, Esq., Orange, New Jersey

Dear Sir:

we wrote you on July 12th regarding Concrete Houses and duly received your reply stating that the Molds for making these we will say that one of our clients in were not yet finished. Africa seems specially interested in concrete construction and the circular which you sent us was duly forwarded to him. He now wri He now writes us stating that he has some 580 lots of land near Johannesburg on which he is desirous of erecting small cottages for workmen. There must be two cottages on each lot known as "semi-detached". He has asked us to secure quotations for the supply of 6 sets of Molds based on the us to secure quotesters. They call attention to the fact that three recommendations will be of the same size, viz. 10 x 10, clear, inside measurement. The only fireplace will be in the kitchen, one chimney to name two houses. There must be spaces for four doors and three windows in each house, the windows being one-tenth of the size of the floor space and spaces for air bricks at the floor level and also at LEOF Space and spaced for air Gricks at the LEOF LEVEL and also at the top of the walls must be provided in order to secure proper ventilation for each room. These details, regarding size of windows and air bricks are required by the kunicipal law. The walls are to No specification is made regarding the roof and be w feet high. No specification is made regarding the root and such design as you might submit will probably be acceptable. In the pumphlet sent to Africa our client calls attention to the fact that on page 10 it is stated that you will furnish plans and give full license to reputable builders and our client desires us, for him, to put be 9 feet high. forward a claim for such a license. From the above you will note that he is a considerable land owner who is desirous of furnishing decent houses for the Cape colored people who as a class at present live in single rooms in the most undesirable part of one of the suburbs of Johannesburg.

we shall be glad to hear from you at your early convenience on this subject and will then submit your remarks to our we shall esteem it a favor if you will return client abroad. the ground plan when you have finished with same.

Yours truly,

FRANCIS M. SUTTON & CO.
Treasurer

American Concreme-Same Co.

ENGINEEUS & CONTRACTORS,

EINFORCED CONCRETE CONSTRUCTION

AMERICAN SYSTEM
SPERMANENT AS THE PYRAMIDS"

PARTY BUILDING

Manager N.A. Toy 17th 1911.

ir. Thomas A. Edison, W. Orange, N. J.

My dear Mr. Edison:-

You will perhaps recall the writer who was one of your guests on an impection trip to your commt plant, a few years ago, it may help you to place me in your memory by recalling the fact, that we discussed, at quite some length, the building of reinforced concrete buildings. At that time, we were only just taking up the school house problem. Since then, we have completed air school buildings, have three under contract and some very good prospects of closing at least a dosen more during the coming measure. All of these buildings will be built completely of reinforced concrete, isoluting the exterior walls,

We note that there is to be a pew school building in your City of West Orange. Mr. H. King Conklin, a very competent Architect of this City, who designed the Unahington School at Hutley, which was built with Eddem Gement, is at present endeavoring to get a commission from the West Orange Board for the preparation of the plans of this building. Beside the school at Hutley, Mr. Conklin also designed the Central Ave. School in Madison, Public School #8 in Kearny, and the Gymmasium Building at Penmington; all of which, are reinforced concrete buildings, and on the two later, we are just starting work.

Mr. Conklin has turned down commissions where he has been asked to design non-fireproof school buildings. He thoroughly T. A. E.-2-

believes in the fireproof school, built of reinforced concrete, and anything that you can do to assist Mr. Combin in receiving the commission to prepare the plans for the new School to replace the old St. Marks Building, will be very much approclated by us, and I know, very much appreciated by Mr. Conklin.

Very respectfully yours.

AMERICAN CONCRETE-STEEL CO...

Pref

JTS/PW

ATTACHMENT/ENCLOSURE

1 Bulderer

Day that I will be pur conklin, just easy what is would

BudapestiÁltalános Villamossági Nészvénytársaság:

Sürgönyezim: EOYENARAM.
TELEFON 3-52, 3-53, 3-54.

(mring

Budapest, November 18th, 191

Mr. Thomas A. Edison, Edisons Laboratory.

Edisons Laboratory, Orange, New Jersey, U. S. N

My dear Mr.Edison:-

The same to de the same of section and the same of sec

You will no doubt remember that during your

visit here, we discussed the scheme regarding your method of building concrete houses for labourers, or those that want to secure a home at a minimum cost.

I beg to inform you that I am now in a position to execute your ideas upon the subject in a practical way in my native town of Pozsony, where a wealthy and philanthropic inclined ledy of my acquaintence wants to build a group of dwellings according to your system.

Therefore I should like to inquire of you

how far you are advanced in this matter, and if it is possible to obtain definite information from you concerning the same, so that I can take the matter up and push it.

Perhaps you are awared that in England and Holland they are already building such small houses on aniron-concrete principal, and thus it seems opportune now to get started on your projects. I remain,

Yours very truly

BUDAPESTI ALTALÁNOS VILLAGOSSÁGI R. T.

Vienne de TodoN

anjalon

ELOPERS OF LONG ISLAND ESTATES

RICHARD W.

18 BROADWAY AND 5 BEAVER STREET

NEW YORK. December 14th,

Aus 12/19 Thomas A. Edison Esq. ,

Orange N.J.

Doar Sir:-

Writer read with more than interest the enclosed report in last Saturadays New York Times for the reason he has been seeking some plan for the erection of cheap, yet lasting summer bungalows.

You are doubtless aware of the immense proportions to which the "Portable" and "Knockdown" house industry has jumped within a couple years. There is no limit to the field or demand.

The faults with the Portable house are manifold; They are dear, never satisfactory, nor pernament, in a word, are but lumber tents. The Knockdown houses are little better them the Portable house, they are cheaper in the first instance, but as they necessitate the employment of skill labor to erect, their cost ultimately exceeds that of the Portable house. In both cases one seasons wear sees them shrunk and in need of general overhauling.

The thought in my mind is. To use cement instead of lumber for studs, using sheet steel lathing-covered with cement -for the walls and roof, and running the floors in also in cement. Hanging all windows on hinges instead of in frames to reduce cost.

If cheapness and permanency could be effected in putting up the above class of homes, an compared to similiar houses in lumber, and a large portion of the work done by unskilled labor, am satisfied same mould outclass the "Portable" and "Knockdown" houses.

Am associated with the above Company in a summer home development at East Quoque, Long Isdand, and have a number of clients needing bungalows and garages. This fact has made re give the study of this subject considerable time, consequently am satisfied as to the unlimited field provided the conditions referred to can be met.

I enclose a design of a portable house. This house cost \$800.99, it is single sheeted on the outside not lined, has no celling, and paritions only reach to height of walls.

TELEPHONE, BROAD 577

Lang Island Srashare Company

18 BROADWAY AND 5 BEAVER STREET

NEW YORK.

:-2:-

Should like to come and discuss this immense problem with you, looking to mittual interest, if you think same can be selved on the lines I suggest.

Thanking you in anticipation for your kind consideration of subject, and hoping to hear from you, I am

Very truly yours,

ARCHITECT TITUSIDE BOBULA



Augle Exect Concertions



MONOLITHIC CONCRETE DWELLINGS.

Consisting of 9 rooms and Bath. Front and Back porches. Running hot and cold water. Cabinet mantels. Cost complete \$1586.00 which can be reduced considerably by using standard forms.

The building operations on these houses were begun Nov. 1905. and they have stood the test of occupancy to a most satisfactory degree.

All walls and partitions reinforced concrete. All floors concrete with white pine upperfloor in living rooms.

Roof concrete with asphalt waterproofing.

All outside walls waterproofed with special colorless compound. All inside walls painted.

Kitchens and Bathrooms white Enamel.

Open plumbing. Architect DE BOBULA.

Pittsburgh, Pa.

Edison General File Series 1911. Charities and Loans (E-11-29)

This folder contains correspondence and other documents concerning Edisor's charitable contributions, financial assistance, and donations of equipment. The selected tierms for 1911 pertain to the Young Men's Christian Association and other organizations in Edison's hometown of Port Huron, Michigan's St. Pau's A.M.E. Church in Orange, New Jersey; and the Society of St. Johnland in New York City, One request for phonographs and records bears a notation by Edison that "if I should comply with all the requests made as she makes, it would break the Bank of England."

Less than 1 percent of the documents have been selected. The unselected letters consist primarily of requests for money. Many bear Edison's notation, "no ans."

30 party ex. aus 1/13/11 That a Edison nog. my dear Int fairs of your throughphs & point Runes & Apline und circumstances obnough ohr losely illines by down of my hustand DE Rickford of age for I was 68 the 19 = I last month latter more reached you I cannot to he a guilturant of your surmous match aring principles of Bois you would that shay do muto you", loved some you old day, a jeft which would ginh know o much consolition, by jay, I when the principal willow a list of the Records I much persper, wish The forest hope that you will not perf malbert nich. I am mor purchalen a Phonog of am more hope to poured our unless for pursuelly mil Albert to man, I pray old you well disappoint mes. Wish Complimeds of the or

[ATTACHMENT/ENCLOSURE]

M. Alice Bickford,	then I am afraid they wou	W
30 Davis Street.	somewhat strained.	
Santa Cruz, Colif.	somewhat strained. Your respectful	ey,
Dear Madam:		<i>L</i>
I have received yo	our	
favor of the 4th wistant ash		
me to present you with a		
Phonograph and some Mesords.		
In reply I beg to	Jay	
that while I regret to bean	of	
in ailit to purchase	au	
your inability to purchase	ill be	
instruments and records, it w	<i>F</i>	
out of the question for me	2. 4	
comply with your request.	34	
were to attempt to answer !	furorable	
to all similar requests, it u	outs "	
need was resources equal to	lhae	
of the Bank of England, an	is ana	
	* * * * * * * * * * * * * * * * * * * *	

The Port Huron Times-Herald Port Huron, Michigan

Pally Circulation for 1910 12.806

March 29, 1911

Hon. Thomas A. Rison,

Orango, New Jorsey.

Model Con 18 1 3

Dear Sir:-

Fort Turon, the home of your boyhood days, is striving to complete a T. H. C. A. building. Fact strongth have been made in the peat without excess. The situation at present is as follows:

On Birth street, next to the Port Paron Clab, is a three story brick building with the exterior slmost comploted, that is the walls and roof have been constructed but the finishing work is not done. The interior finish has not been commenced. It will cost clover thousand dellars to complete the huilding. Dobts to the amount of nine thousand collars are owing. It will cost five thousand dollars to furnish it. Tithout many wealthy men in the city, it has been impossible to seemre a large initiatory places to start a fund to complete the work and pay the debts. Therefore a congaign of a Collar a head from every run, women and child in the city was recently started and today we have practically seven thousand (ollars in each and about thirty-five hundred dollars in first class pledges and other good agnots valued s at about twenty-five hundred Gollars. The compaign will oloco Saturday and without some outside assistance, it is apparent sufficient funds will not be raised to make the venture a success. It occurred to me that you might be milling to make a constion. I essure you that anything you can see

E. J. OTTAWAY, PRESIDENT L. A. WEIL, ESTON

The Port Huron Times-Herald

12,806

your way clear to (c, will be greatly epyrociated by an anxious and thankful community. If you wish further details and information, I will be only too glad to furnish them for you.

Hoping that you will receive this communication in the same sincere and loyal spirit that it is sent and that you can find it convenient and that you are willing to respond to this erreal. I remain

Louis all constructions.

put me down for \$100. I would do more wors at not for the fact that my many I can use surplies money to great advantage for all kla greated water for all kla graple in Experiments.

FE L OTTAWAY, PRESIDEN

The Port Huron Times-Herald Port Huron, Michigan

Dally Circulation for 12,806

April 8, 1911

Hon. Thomas A. Edison,

50

Grante, T. J.

Donr Sir:-

I can in receipt of your very bind fevor of April let. I feature you be greatly appropriately expressively control of the free lyong and the proper of fort fluors are particularly proud of the free that you have not competen your old home fown. To suchly so the great work you are doing for all immunity in confusing on your control of the man that we almostly sygrams to four embersighten.

Again thanking you, I am

O Simporoly your

7-11

St. Paul's A. M. E. Church 94 South St., Orange, New Jersey April 8,1911.

Mr. Thomas A. Milson, Orange, N. J. AF. LO SII

My Dear Mr. Edison:-

The enclosed receipt will certify to

as a donation toward our mortgage fund. I assure you my sir, that it is much appreciated and thankfully received. We are now completing arrangements to pay off the mortgage on Tuesday not preventing. We only need \$400 more. This we hope to get from our members when they report Sunday(tomorrow) evening.

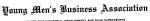
Again thanking you, I remain,

Gratefully yours,

For the Frystees, Mulli,

140001

JOHN ARMAN. - PREDOEM A M. DEGWAR . RESPETANT



Bort Buron, Michigan May 23, 1911.

Honorable Thomas A. Edison.

Orange, New Jersey,

Dear Sir:

The people of Port Huron want you to honor our city with a visit senetime during August or September for the purpose of heaving an Adison Day selectation here. We realize thoroughly that we are asking a great deal to expect you to give any of your time to such an undertaine, when the absolutely sincero in the bolt has seen of your should be a supported by the selection of the s and we believe you would be interested in the changes wrought in our city. Our plans for the proposed Edison Day celebration are elaborate and farreaching, as we propose to have here, if we secure your consent, some of the best known men in the electrical world, many of whom have already signified a desire to be present at the time you honor our city with a visit.

We will leave the fixing of the date ontirely at your convenience, and only hope we may have the pleasure of a favorable reply. We assure you all the poople of Port Huron want you with us for at least a day and that we will all feel highly honored by your presence.

Sincerely yours,

Say it will be

the westalin as I have secretary.

averaged to take my family to in anguil sept a october, someth I have promised theen for 15 years.

and Herran

Executive Office

July Office of the Special S

Menlo Park, New Jersey.

May 29th/11.

JUN 1 - 1911

n.... aim.

Dear Sir:

The citizens of Port Huron have in contemplation the holding of an Industrial and Agricultural Fair during the coming fall and in connection therewith propose having a "home coming" at which forwar residents will be urged to attend.

We are especially proud of your wonderful record of achievements and brilliant attainments and to know that at one time you called port Huron your home.

convenient to spend at least one day with us as a guest of the City, We will arrange a date agreeable to yourself and of the to the extent of our power to make your stay, or whatever length you may decide, pleasant and benfickels.

We are in hopes that the Governor of Michigan and other distinguished guests will honor us with their presence on the same occasion.

Hoping to receive a favorable response and with assurance of our highest esteem and regard

I am most respectfully yours,

Иауо

Pur Huron

July - 2-1911.

Dear J'n. Edison: -JL 5- 30 The ausor to my note to you was a sely surprise, and roant to lehank you osly much - The To . oo well make a fine mead gog for due booth and me well all mich hard to del a good sum to it so that the Edison Dooth may be well up on the bist of poots - (shalf by pleased to the you know how our come out - the ladies have morked no hand to raise the harfuful dett- but it is still given large - and more before to make quite a bit of ononey on the 20 th R am cending you the news paper write up they gare our both and hope that it may please you -Thanking you very much again - dud sidesnly holoning work oray come to ade us some day yeny sin crely. Jose Di Haveno. 200 4 Military H., Fat Haron, Mich.

Thomas A. Edison Sends \$10 to Ladies in Charge of The Hospital Fiesta

· · Ed. Pus?

PRESIDENT'S OFFICE

Memorandum

1898

August 21, 1911.

Mr. Harry P. Millor:

Referring to your memorandum on the subject of \$200.00 of Mr. Edison's money on deposit in Faris, undoubtedly Brandon Bros. will charge semething for their services in connection with the matter, but I will arrange to have what is left turned over to the fund for the "Poor of Paris", as Mr. Edison requests.

FLD/IVV

F. L.

The

Enc-

[ATTACHMENT/ENCLOSURE]

Mr Lyrt Mr Edison requested
that the sum on deposit be given
to the fund for the Corr of Paris
It does seem tough that it cook
from \$25.50 to give any \$200 troops you
thuck so?

H. I M.

[ATTACHMENT/ENCLOSURE]

BRANDON BROTHERS Estab# 1850

PATENT LAWYERS

PARIS, (IX)

59. RUE DE PROVENCE

PROTECTION OF INDUSTRIAL PROPERTY

CABLE ADDRESS ."ABDICANT PARIS" WESTERN UNION CODE TELEPHONE 154-23

Mr.Frank L.Dyer, Edison Laboratory, Orange, N.J.

Dear Sir,

Referring to your's of the 12th ult. which we acknowledged on the 22nd ult. we beg to state that we have now received from Mr. Hiram S. Maxim a power duly executed by him for the purpose set out in your letter to us dated the 17th May last. We now trust that by means of this power of attorney we will be able to obtain the withdrawal of the 1000 francs deposited by Mr. Edison on August 18,1881.

For his time, fees, notarial and all expenses Mr. Maxim asked £5, which we have sent to him-

We remain,

Yours truly,

ROBERT L. HARRISO

Rev. W. M. Gros John H. Cole RT. REV. FREDERICK BURDESS, O.O.

RODERT W. B. ELLIOTT

RODERS H. BACON

TRUSTRIA Ansen W. Hard Rev. Henry Mottet, D.D. John A. McKim Prancis M. Bacon Theodore Thomas Saint Iohnland

PRINCES A. U. 1860

DMES FOR AGEO MEN AND WOMEN AND AGEO COUPLES
HOMES AND SCHOOLS FOR CHILDREN
AT KING'S PARK, LONG ISLAND

REV. HENRY CHAMBERLAINE, SUMBINTENDENT
ADDRESS COMMUNICATIONS TO
THE SOCIETY OF SAINT JOHNLAND
326 SIXTH AVENUE, NEW YORK

TAUSTARS
John Stely Ward
R. Rev. F. Bargers, D.D.
Herman C. von Foat
John W. Auchincions
Rivard R. Biddle
Rogers H. Bacon
Robert L. Harrison
Robert W. E. Rillett
Willen B. Coles
Genge F. Confeld

George E. Chitolin

New York, November 21, 1911,

Mr. Thomas A. Edison,

Ev dear Sir:-

West Orange, N.J.

NOV 22 311

Enclosed you will find receipt for your conminibation to the Society. Your co-operation is greatly appreciated as Saint Johnland needs support in the many improvements that are being

We are arranging to give old m d young a particularly happly Holiday time.

Thanking you for your assistance, I am.

planned for the welfare of the entire Community,

Yours very truly.

reasurer.

[ATTACHMENT/ENCLOSURE]

No. 1917

No. 1917

Secretary from Control f

Edison General File Series 1911. Chemicals (E-11-30)

This folder contains a letter from the Hooker Electrochemical Co. seeking information about chlorine and caustic soda, along with a letter pertaining to the commercial use of aluminum phosphate.

All of the documents have been selected.

Leb. - gril

Thomas Edison Laboratories, Orange, New Jersey.

Gentlemen: -

As a by-product in a manufacturing industry we are contempleting establishing here, We will have a large quantity of
pure aliminum phosphate. Has this substance any commercial importance? What price per ton would it bring in the market; ...
Thanking you for any information in regard to this,

Very truly,

HH-m

HOOKER ELECTROCHEMICAL COMPANY 40 WALL STREET NEW YORK

We are us state of transition of the Caused Day anything definite (Caused Day north 27 1911)

Gentlemen

We have in the past had some correspond-once with you on the subject of Chlorine and Cametic Sodia, and would solicit from you information as to whether the matter is still of interest to you.

Very truly yours

HOOKER ELECTROCHEMICAL COMPANY

J0J:15

Edison General File Series 1911. Christmas and New Year Greetings [not selected] (E-11-31)

This folder contains Christmas and New Year greetings from Edison's family, friends, and business associates, along with unsolicited correspondence from the general public.

Edison General File Series 1911. Cigarettes (E-11-32)

This folder contains two letters pertaining to the harmful effects of the decorated and cigarettes, along with Edison's reply in the form of marginalia. Also included is a letter from the company of tobacco industrialist Sotirios Anargyros regarding two promotional packages of Mogul Egyptian cigarettes sent to Edison.

All of the documents have been selected.

Cucker

S. ANARGYROS.

RLA/RBP

NEW YORK, Jan. 16, 1911.

Mr. Thos.A.Edison,

Orange, N.J.

--- ...

Dear Sir:-

We take great pleasure in mailing you two packages of dur famous *MOGUL* Egyptian Cigarettes.

This cigarette has the approval of the connoisseur, and we are, therefore, desirous of inviting your attention to the rare blend it possesses, and the exceptional satisfying aroma, which we feel confident will appeal to you, as a discriminating smoker.

Respectfully,

Margyros

ES - HOND DEPARTMENT OF GEDLOOP UNIVERSITY OF UTAH SALT LAKE CITY

SALT LAKE CITY
FRED JAMES PACK, PN. D.
OSSERST PROPERSON OF GEOLOGY

My Experience of that tolories is not of the analyst after a man to fully formed, harmful after a factor of pather to the use of pather at later on to pather to the use of the action of the second of the action o

West transe, West street not such their surry out their

The hast of smoring has become the appears to will some that the consumption or tobacco is very rapidly increasing. Investigations along various lines seem to innicate that the use or tobacco is injurious to the institutal, oth physically and intellectually. The writer at the present time is uncertaking a series of investigations dwaling with this phase of the subject.

I may writing you personally to ascortain in you nave nad any expanience which will aid me in tonis investigation. You nave been thrown in contact with great numbers of men, many or whom were smokers. Has anything occurred in your experience which has given you any well derined opinious in regard to the deleterious effect following the use of tobaccof A snort statement from you of such experience would be very greatly appreciated.

Anything that you may write to me will se held as purely confidential until you have given me permission to use it publicly.

Yours very truly,

J. J. Padk

Cyantles 48 Lakeside Dear Sir Lam told you be article on cigarette smoking Deme Care Mus Gilbert.

Edison General File Series 1911, Clubs and Societies (E-11-33)

This folder contains correspondence and other documents relating to Edisor's membership in, and activities on behalf of, social clubs, professional societies, political groups, and civic organizations. There are also appeals from charitable organizations, including at least one intended for his wife Mina Miller Edison. A few letters concern the purchase of professional and other publications for Edison. Among the documents for 1911 are solicitations and additional correspondence pertaining to the American Institute of Electrical Engineers, the Eugenics Section of the American Breeders' Association, and the Telephone Pioneers of America. Several items pertain to Edisors's plans to visit Chicago in January 1912. Many of the letters bear marginalia by Edison, with notations such as "say no" and "no ans." or comments that he is "too busy" to participate.

Less than 10 percent of the documents have been selected. The following categories of documents have not been selected: requests for Edison's autograph or signature, including its reproduction; form letters and other routine correspondence regarding meetings and activities; invitations and other requests that Edison either declined or did not acknowledge; invitations for which no substantive response has been found; correspondence from organizations in which Edison was not involved; published proceedings and printed circulars; and duplicates. Some of the unselected items, including letters about cigarettes, relate to material in other folders in the Edison General File.

32 WEST 40th STREET

New York, Jan. 1st, 1911.

ORANGE

To THE ENGINEERS' CLUB Dr.

DUES FROM JANUARY 1st 1911 TO JUNE 30th 1911, \$37.50

Yweesign T

Mr. J. Sison

To The Engineers' Club, Dr.

, diubs

HOUSE RULE No. 4

INOUSE RULE No. 4
On the first day of each numbly can soon the resulter as may be particularly a soulce shall be sone to each sunshine the same to each sunshine the same to the historicates have three Chargeries that the same that the same

earship in the

Petyda 1::3-1911

Chilo
NATIONAL ELECTRIC LIGHT ASSOCIATION

W W PREMAN PRESENTS

BROKENT N Z

JOHN POLICINIST PIRAY VIDE-PRESEDENT

GRIGAGE TALL

RESERVE TO PERSONNELLE

PRANE M TATE SECRET TION PARABET DATES ON O POMMENTORD MARTIN BRO. START GEORGE E HARRIES TERRAF GEORGE E HARRIES TERRAF IN 20 West Teleproperty from

FRANK W PRUSAUFF R M
JOHN F GLOURIST GA
PRAYEM M TATE GA

DUBLISH A WARNER OF BANK WH OF ERFTH USERL LABOUR

JOHN M HARROSS PRESIDENT NAME A SI GRANGER PRESIDENT PRINTS OF STREET

YORK, January

Thomas A Edison, Esq Edison Laboratory Orange, H. J.

Dear Mr. Edison:

I have your reference to see of the papers with regard to the next president of the Institute and advocating Mr. Mershon. This gentleman is well supported as the printed lint shows of manageocompanying the circular and he has done some effective and efficient work for the Institute. I believe he would make a first class president. It has been said of his that perhaps his affiliations are more particularly with the Testinghouse group, but even if this were true I do not think it would interfer a with his disinterested and conscientious efforts.

I an adviced that another centifiate in likely to be put in the field and he will certainly be strongly supported - Game S. Dunn - whom I think you know quite well and who is chief engineer of the Orocker Theeler Company. Mr. Dunn has been prominent in the affairs of the Institute, fiving it appended and refer service, and is very popular throughout the numbership. Possibly you would not care therefore to be placed in the position of taking sides and you might have graference one way or the other, while of course the use of your name would have great weight for a against any candidate. I am returning the papers herewith.

Bolieve me, with regards,

Yours truly, Lucature



Dear Sir:-

A large number of the members of the American Institute of Electrical Engineers have suggested the endorsement of Mr. Ralph D. Merchon as a candidate for the Presidency of the Institute. ir. Marshon has worked earnestly and successfully for the Institute for a musbor of years. He has unquestioned professional ability and, if elected, can be depended upon to fill this office efficiently and to the benefit of the organization.

Many times, the friends of Mr. Mershon have graciously withdrawn in favor of some other candidate, but it now seems fitting that they should receive recognition to urgo his endorsament.

I have been asked to sorve on a committee to advocate his nomination and election and we invite you to become a member of this Committee and trust to receive your acceptance.

I enclose horewith proposed letter to be sent to the members of the Institute in regard to the nomination and election of Mr. Morshon to the Presidency.

I am also sending you a partial list of those who have signified their willingness to serve on a Committoe to advocate the election of Mr. Mershon, all of whom will probably sign this lotter.

Will you please; (a) Promptly sign and roturn the enclosed letter to ir. Henry L. Dehorty in stamped envelope attached horeto.

(b) Refrech your memory by glancing over the Year Book of the Institute and send Mr. Dehorty a list of such names of others who should be invited to co-operate with ue.

Very truly yours,

P.S. You will note it is proposed to send out the lotter, signed by the Committee, on January 5th and honce a prompt response will be greatly appreciated.

To the Members and Associates of the American Institute of Electrical Engineers:

The undersigned ask that you support Mr. Ralph D. Mershon for the next President of the Institute.

As to Mr. Mershon's fitness for this office there can be no question, either on the score of his standing as an engineer or on that of his activity in Institute work.

His work as an engineer has made him known abroad as well as in this country.

His effective work for the Institute has extended over many years. Besides serving as Vice-President and a Manager of the Institute, he has served on many of the committees. For many years he was Chairman of the High Tension Transmission Committee, having, as the first Chairman, had largely to do with the creation of the work of this important committee, the success of which has led to the further adoption of the Special Committee Method of carrying on the work of the Institute.

The Institute nomination blanks are sent out the first week in February, and the election ballots the latter part of March. We hope you will not fail to fill in (as they reach you) both the nomination blank and the official ballot with the name of Mr. Mershon for the office of President.

Signature)...

New York, January 5th, 1911.

A partial list of those who have signified their willingness to advocate Mr. Mershon for the office of president of the A. I. E. E. Abadie, Begene H. Hubbey, George W. Abell, Harry C. Humphrey, Clifford W. Raymond, Edward B.

Abadie, Eugene H. Abell, Harry C. Adams, B. C. Adams, Comfort A. Atkins, Charles G. Auel, Carl B. Ayer, James I. Baheock, Allen H. Barton, Philip P. Beal, Thaddeus R. Beebe, Murray C. Behread, Bernard A. Belfield, Reginald Benoliel, Soi. D. Bibbins, James R. Bissing, William F. Blizard, Charles Blunt, William W. Brinekerhoff, Henry M. Bump, M. R. Cargo, Lawrence M. Cheever, Markham Collver, Alfred Converse, V. G. Coster, Maurice Dean, William F. Doherty, Heary L. Drake, David E. Duff, William A. Duncan, Dr. Louis Dusinberre, George B. Eglin, W. C. L. Feicht, Russell S. Fisher, Henry W. Ploy, Henry Ford, Arthur H. Franklin, W. S. Fraser, James W. Gerry, M. H., Jr. Gibbs, George Goddard, Walter T. Goldsborough, W. E. Gossler, Philip G. Harisberger, John Harper, John L. Hartman, Herbert T. Hartwell, Arthur Hewitt, Peter Cooper Hill, E. R.

Humphrey, Henry H. Hunt, Andrew M. Hunt, Charles W. Hutchinson, Cary T. Iones, P. N. Karapetoff, Vladimir Keilholtz, P. O. Keller, E. E. Kelly, John F. Lacombe, Charles P. Langan, John Langton, Joha Lardner, Henry A. Lee, William S. Liacoln, P. M. Lovejoy, J. R. Lyford, Oliver S., Jr. Mayer, William, Jr. MacLaren, Malcolm Magin, Louis B. McPherson, Norman C. Merrill, E. A. Mix, Edgar W. Moore, D. McFarlan Muller, Henry Nikola Muralt, Carl L. De Murray, William S. Musil, Louis F. Myler, Paul J. Neall, Newitt J. Nesbit, William Nicholson, Lloyd C. Nicholson, S. L. Nunn, Paul N. Osborne, Loyall A. Paine, F. B. H. Parker, Joha C. Patchell, William H. Peck, John S. Peader, Harold Pick, Stefaan Poole, Cecil Potter, Henry N. Putnam, H. St. Clair Powell, Charles S. Pupin, Michael I. Raadall, Karl C.

Rau, Otto Martin Raymond, Edward R. Reed, Robert R. Reed, William E. Rhodes, George L Richardson, Robert E. Robb, Wm. Lispeaard Roberts, E. P. Rosa, Edward B. Rugg, Walter S. Ryan, Harris J. Ryerson, William N. Sachs, Joseph Sanderson, Edwin N. Sawtelle, Edmund M. Schoffler, Fredk. A. Schmidt, Albert Scott, Charles F. Sethman, George H. Sever, George F. Shute, Henry D. Skinner, Charles E. Smith, Tulian C. Sothman, Peter W. Sprague, Frank J. St. George, Harry L. Stillwell, Lewis B. Storer, Simon B. Tamlyn, Walter I. Thomas, Percy H. Uhlehaut, Fritz, Jr. Uptegraff, Walter D. Vankirk, Edward P. Waddell, Charles E. Walls, John A. Waterman, F. N. Waters, William L Westinghouse, George Whitehead, J. B. Wilson, Hugh H Wiaship, Walter E. Witherby, Edwin E. Wood, Benjamia F. Woodmansee, Fay Work, William R. Wurtz, Alexander J. Young, C. Griffith Young, Charles L.

dup

RDSERT W. DE FOREST

OTTO T. SANNARD

J. PIERPONT MORGAN

EDWARD T. DEVINE

THE CHARITY ORGANIZATION SOCIETY

IF THE CITY OF MEM TOWN

106 EAST 220 STREET

Commission to the CHARTY COMMISSION

W. FRANK PERSONS EUPERINTENDENT

JAN 10 GH

TELEPHONE, 4066 GRAMERGY CAULE ADDRESS, CHARITY, NEW YORK

January 9th, 1911.

ar. Thomas A. Edison,

Orange, N. J.

Dear Sir:-

May I thank you for your dift of 210. for the general work of the Charity Organization Society. It is with regret that I note that you have found it necessary to decrease your contribution of \$20, made last year. Your continued interest is thoroughly appreciated and your contribution will be of real help in the work.

Please do not hesitate to call upon us whenever we can be of any assistance to you in charitable work.

Yours sincerely,

Barward Walton
Secretary, Finance Committee.

JBW/AVG

THE ENGINEERS' CLUB 32 WEST 4014 STREET NEW YORK

40 23. 34.

January 13, 1911.

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:

In reply to your latter of the 4th inst., your election by the Board of Management to honorary membership in the Engineers' Club nullifies action on your request, and I therefore return horswith your original letter.

Allow me, at this time, to express my individual congratulations for the honor that has been conferred upon you. I hope to see you at the Glub House sometime in the near future and have the opportunity to repeat my sentiments in person.

Yours sincerely,

Jos Struckers

THE ENGINEERS' CLUB NEW YORK



Mr. Thomus A. Edison,

Orange, H. J.

Dear Sir:

It is my great pleasure to inform you officially of the following action of the Board of Kanagement of the Engineers' Club at a regular meeting held January 11, 1911.

In consideration of high attainment in tho dovelopment of the application of electricity for the uso of man and the great good thereby accomplished for the comfort, convenience and botterment of the human race, it was VOTED:

To elect Thomas A. Edison an honorary member of the Engineers' Club.

Respectfully your

clubs

ell. Joseph Struthers

Secretary, The Engineers' Club.

32 West 40 & Street new york.

Dear Sir:

I am in receipt of your

favor of the 13th motant informing me of the action of the Board

of Management , afakin sing

Coate in cleating me

In acknowledging this

notification, allow me to express

the sinere appreciation my thanks,

together with my gratification Am sincere appreciation of the

honor man conferred upon me by the Board of management in

cleating me to the honorary member of the Oh liginars'

bluo. your respectfully ,

NATIONAL ELECTRIC LIGHT ASSOCIATION

Our of the second of the outer of the outer

Thomas A. Edison, Esq. Glenmont Drange New Jersey

Dear Mr. Edison:

I am very glad indeed to advice you that at the meeting of the Engineers Club on January 11th, you and Admiral Helville were elected to honorary membership in the Engineers Club. Our only other honorary member is Mr. Andrew Carnegie, I presume you will be advised officially but I have much pleasure as a member of the Board of Trustees participating in this, to send you my warmest congratulations. I feel that the Club has conferred an honor on itself. Admiral Melville, I night say, was seventy on Tuesday.

With regards,

THE WESTERN UNION TELEGRAPH COMPANY.	
24,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL I FRE WORLD. The Computer That MINISTER DETAILS TO Longer out the confidence in the last of the computer of t	76. 376
Errors on the partner against the sanger, by could be amount of tolk paid thereon, nor many case where the count is a partner of the sanger, by could be amount of tolk paid thereon, nor many case where the county is not to the sanger of the sender, under the conditions manned above.	
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NUMBER SENT BY DEPORT 9/ CHECK / d. 23-00	-
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RECEIVED at Tenchane SO. Always Open. Con 17/1-190	
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Dobodaly name for Dunn as he is a friend of mine Zaum Sent Jan 17th 1910 1.40 P.M W UJG. Gam

Orange, N. J., 1/18-1911 19

Bleeceived from Thomas A. Edison

BOOLEVED PATHENT, Gollars

Just for 1911

CLUDS
PACEMENT
CHANLES H. BANBOM

INVING C. BROWN

OTTO L. HENONICH

J. FREO BRAUN

CHAB. B. OGOEN

NEWARK ASSOCIATION OF CREDIT MEN

INCORPORATEO



MEETINGS SECOND TUESDAY OF MONTH AT

NEWARK, N. J., January, Nineteenth, Nineteen-Eleven.

WILLIAM F. DARTON
WILLIAM E. OAIN
GARLES E. OANIEL
WILLIAM A. HART
WILLIAM A. HART
L. F. JUNY A EQ.
ANTHUN S. UNORNWOOD

FRANK B. COBB. SHAMMAR LABER COUNTY MAT'L BARK OURTIS R. BUNNETT AMERICAN SIL & SUPPLY CO.

PNEDENIC P. CRANE
WHITEHER A HEAD GO.
AND OFFICERS
COMMITTEES

MEMBERSHIP
GONOON S. PHILLIPS.
MEMBERSHIPS.
A. JUOSON CLANK, JM.
A. S. ETTENNE A CO.
W. S. WOOD
W. S. WOOD
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W. E. BACON

ELOSLATIVE

NALPH M. GHITH,

PHILLIP O. WALBH

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ALBERT C. COUNTER,

A. SOMMER A SO,

HIRAM E. LITTELL

ALBERT H. BALDWIN

ALTORAL RIVERS SAMES CO.

WALOO C. GENUNG

FRED'K W. PEMBERTON,

WILLIAMSON, AMERICA SO.

Mr. Harry F. Miller, Edison Portland& Cement Co., Orange, N.J.

Dear Siri The Trustees of this association have appointed you a member of the Investigation & Prosedution Cormittee to-gether with the gentlemen named below, for the ensuing

year. A seeting of the committee will be called by the chairman very shortly.

Respectfully yours,

Secretary.

DIC. J.F.B.

Mr. Froderic P. Crane, Chairman.

Ar. Adolph C. Navatior, Ar. Richard B. Young,

ir. Charles F. Dodd.

ESSEX COUNTY COUNTRY CLUB

JAN_{22d, 19}1911 West Orange, N. J.,
Thomas Edison,

Dear Sir: The amount of your indebtedness to the Club at the close of last month, according to detailed statements which have been rendered, was \$_5+80

been reidered, was S_D40V_
On the 16th of this month a list was posted in the Club
House of the amounts due by all members. As your indebtedness
has remained urgade one week after posting; you are hereby notified
of the fact and are requested to pay the same.
If this indebtedness he not paid within one week of this
notification, the By-Laws provide that you come have no further
credit at the Club until this indebtedness is paid.

THE EXECUTIVE COMMITTEE.

clubs



ILLUMINATING ENGINEERING SOCIETY

NEW YORK SECTION

WILLIAM H. GARDINER

OFFICE OF THE SECRETARY
36 WEST 39TH STREET
NEW YORK, N. Y.

amuary 27, 1911.

Reed all

Some A. Edison, Esq.,

Orange, H. J.

Door Sir:-

The functions of the for York Southern two two special arrangements for the regular condity mosting which will be held Bornary the the buryon of the dath cover, and covered her the form of the dath cover, and covered her the form of the form of the covered to the covered two specials of the covered the co

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Yory reacogtfully yours

Socratary New York Section.

20-00-11125

THE NEW YORK ASSOCIATION FOR THE BLIND

| No. | No.

Feb. 7, 1911.

Dear Mr. Edison:

Thank you, on behalf of our blind wards and this Association, for your welcome contribution, for which please find enclosed the Treasurer's receipt.

Your continued interest in our activities is a great help and an incentive for increased effort.

We earnestly hope that you will be able to take time to visit the Lighthouse with your friends to learn just what our light-giving work means to the blind.

We are eager to have our friends realize that one of our most useful services is acting as a Bureau of Information to the blind and the seeing concerning the horizon open to those who have lost their sight. For this purpose we have an exhibition of objects, showing the emancipation of the blind which includes tools, writing appliances for them and articles, including statues and cutlery, which they have made. This little exhibition, with our blind weavers and stenographers, does not fail to interest our visitors, among whom we hope to have the pleasure of welcoming you.

Very truly yours,

Thomas A. Edison, Esq., Llewellyn Park, Orange, N. J. Druipedetolt

CHARLES E. BURNAH MECHANICAL ENGINEER Hill Maximum H

Mr. Thomas A. Edison.

Dear Sir:-

A. Edison,
Henlo Park, H. J.

I take the liberty of sending to you (under physical power than article relations)

cover) a typewritten article relating to "A HUEDED IMPROVEMENT IN THE PATCHE OFFICE". I am prompted to send it to you upon hearing of the existence of the INVINTOR'S tilling lev York City, recently formed, and that you are a member. Not knowing the the address or headquarters of the Guild, I send it to you.

A perusal of the paper will show I think, that I have made a conscientious effort to improve the Patent System. No one knows better than I do how much it needs it. I also know that little will be done, unless we inventors do it ourselves. One who has actually served in the Patent Office and observed the conditions from the inside can see why. This I have done. History shows that those who want justice have to go after it. If the paper is of no interest to you, or the Guild,

kindly return it with the enclosed postage. I would like to know whether the Guild would be interested in other articles touching upon other features of the Patent business, from an inventor's standpoint. I have many other notes filed away awaiting the writing up.

My object in writing the article, was primarily to improve the patent system, and thus benefit inventors, incidently O. S. BURNAP, NARBERTH, PA.

CHARLES E. BURNAR MECHANICAL ENGINEER.

CHICAGO. Feb. 11th, 1911

TAE-2.

receiving my share of the benefit. Other objects were to receive whatever credit may come from it. With both those objects in view I am sending it on to you.

Very truly,

AMERICAN BREEDERS' ASSOCIATION-EUGENICS SECTION

EUGENIOS RECORD OFFICE

200. 10, 1914, the

H. H. LAUGHLIN

Mr. Thomas A. Edison, Orange, li. J.

Dear Sir:

The Eugenics Section of the American Precders' Association is striving to determine the laws of the inheritance of human characteristics. Accordingly, this office is collecting for such scientific study data concerning the inheritance of mental and physical traits in the families of

To facilitate the inquiry, we have propared a form entitled "Family Records" with spaces for the desired data; information on about thirty-five points for each person is asked for. If desired, a duplicate form can be sent to be retained for your own use.

scientific and professional men. We desire to have a record of your family traits; your cooperation will be appreciated.

It is understood that this data is wanted solely for scientific study and will, when received, be kept strictly confidential - no names will be published.

If you are willing to cooperate, please mail us the enclosed postcará.

Very respectfully yours,

Enclosure.

duto

AMERICAN BREEDERS' ASSOCIATION-EUGENICS SECTION

EUGENIOS RECORD OFFICE

H H, LAUGHLIN

COLD SPRING HARBOR, LONG ISLAND, N. Y.

March 1, 1911.

m3/16/11

Mr. H. F. Miller, Sec'y, for Mr. Thos. A. Edison, Orange, N. J.

My dear Sir:

As per your request, we are sending by today's mail four Family Records and sincerely hope that Mr. Edison will find time to fill out the blank detailing the family distribution of the traits called for among his ancestry.

Inasmuch as this office seeks to discover the laws governing the inheritance of such traits, we also greatly desire that a second Family Record, in which Mrs. Edison shall appear as one of the children, shall be made out.

This work is progressing very satisfactorily; many interesting family histories are being forwarded to us for analysis.

Very truly yours,

CW15

AMERICAN BREEDERS' ASSOCIATION—EUGENICS SECTION BAYIL STARS JOERAN, CHARMAN C. B DAVENPORT, SECRETARY

EUGENIOS RECORD OFFICE

H H. LAUGHLIN

COLD SPRING HARBOR, LONG ISLAND, N. Y.

Mar. 20, 1911.

Fr. H. F. Miller, Sec'y, Mr. Thos. A. Edison, Orange, N. J.

My dear Sir:

We regret very much that our records of family traits miscarried; we have sent other copies which we sircerely hope Mr. Adison will find time to fill out.

We are receiving from time to time some very interesting pedigrees, and hope, through the study of such histories as we wish to secure from Yr. Edison, that the laws governing the inheritance of mental and physical traits will be worked. out.

Very truly yours,

Superintendent.

T. PERCEVAL GERSON, M.D. LOS ANGELES, CAL.

Hon. Thomas A. Edison.

Orange, Now Jersey .. My dear Mr. Edison:

Have not well-traum aton 25, 1911.

In a recent debate, in which I was a participant, upon the subject of a proposed Mational Department or Bureau of Houlth, my opponent being the local representative of "The National League for Medical Freedom," I enoted from the Congressional Record (Vol. 45, No. 82-) a portion of Senator Robert L. Owen's speech in which your name is mentioned.

In his speech, Mr. Owen makes mention of the fact that the members of the Committee of One Hundred of the American Association for the Advancement of Science on Rational Realth endorsed such proposed National Department of Health in this language --

"Believing a vigorous, healthy population to be our greatest national asset, and that the growth, power, and prosperity of the country depends primarily upon the physical welfare of its people and upon their protection from preventable pestilences of both foreign and domestic origin and from all other preventable causes of disease and death, including the sanitary supervision of factories, mines, tonements, child lubor, and other places and conditions of public employment or occupation involving health and life, we advocate the organization of all existing national public health agencies into a national department of public health, with such powers and duties as will give the Federal Government control over public-health interests not conserved by and belonging to

T. PERCEVAL GERSON, M. D. SUITE 1011-1012 W.P. STORY BUILDING LOS ANGELES, CAL.

the States respectively."

In the membership list of the Committee of One Hundred, your name to mentioned thus:

"Thomas A. Edison, inventor electric light, phonograph, etc., Orango, E. J."

In the debate my opponent took occasion to inform me that when you learned "the real nature" of the proposed national health legislation you withdrew your name from such endorsement, but I could not credit it. May I ask you for your statement as to the truth in the matter, that either he may be corrected or that I may coase to quote you as I have?

Trusting the lengthy queries and remarks may not prove a source of annoyance to you, I have the honor to be,

Most sincerely yours,

J. Perceon Giren.

Inbentors Guild

PRESIDENT: RALPH D. MERSHON, SO WALL ST., N. Y.
18T VICE-PRESIDENT: CHAS. W. RUNT, WEST NEW BRIGHTON, N. Y.
200 VICE-PRESIDENT: CHAS. S. SRADLEY, 44 PARK ROW, N. Y.
SECRETARY: THOMAS ROBINS, 13 PARK ROW, N. Y.
PRESIDENT HENRY L. DOHLETTY, 60 WALL ST. N. Y.

PROFESSIONAL COMMITTEE
F. L. O. WAGSWAND FAR.
THOMAS A. COSON, LLYELYN FAR. N. J.
MICHAEL I, PUPIN, I WEST TRO ST., N. Y.
PETER GOOPER HEWITT, MAD. SO. CARSET TOWER 25% ST. X.Y.
BION J. ARNOLO, (8) LA SALE ST., GROOG, ILL
OMAS. S. SRACLEY, 44 PARA PON, N. Y.

New York, March 28, 1911.

Mr. Thomas A. Edison,

Llewellyn Park, New Jersey.

MAR 420 ST

Dear Sir:

It is with great regret that I have to inform you of the death on the 27th inst. of Nr. Charles Wellsce Hunt, Vice President of the Inventors Juild. The funeral will be held at 11 o'clock on Thursday morning at the Church of the Assession. New Brighton. Recettle cars will meet the Staten Island boat leaving South Ferry at 10 a. m. It is hoped that as many members of the Juild as possible will attend.

It has been decided that on account of Mr. Hunt's death, the regular monthly dinner, which was to have been held on this Friday evening, and of which you have already received a notice, will be omitted.

INVENTORS JUILD.

The Lord's Day Alliance of Canada.

Mr. Thomas A. Edison,

Dear Sir:-I take the liberty of writing you with

Orange, E. J.

to report I have seen in the public Press to the effect in the manufacture of Cemont, in your judgment, a minimum of Sunday Labor is all that is ossential for the safeguarding of the furnaces. I regret that I have not the exact report else I would submit it directly to you, but may I ask you, inasmuch as in our work we have had to give this business special attention, if you would be good enough to write me your views as they have been expressed in connection with this process as far as Sunday Labor is concerned.

Trusting I am not imposing, I am,

Yours very truly,

Orange, N. J., apl -

Received from Thomas A. Edison Turnty and 100 Je Expenses 3rd Frational Clarace Congress 520 - Richard J. Wate Thes.

NEW JERSEY ASSOCIATION FOR THE PREVENTION AND

RELIEF OF TUBERCULOSIS DR. GDROON K. DICKINSON, JAR-NON- JONN FRANKLIN FORT, Te

VIGA-PERSISTATA
DR. WILLIAM O. SCHAUFFLER, LAKEWOSE
DR. S. VAN D. HEDGES, PLAINFIELD RT. REV. JAMES A. MCFAUL, Teat PRESIDENT WOODROW WILSON, P.

WILLIAM C. SMALLWOOD, Executi 104 MARKEY ST., NEWARK, N. J.

TELEPHONE 4545 W. MARKET

THOMAS N. WILLIAMS
JACOTY CITY

Newark, N. /., May 8, 1911

Mrs. Thomas Edison. Llewellyn Park, West Orange, N.J.

Dear Madam: -

its fifth year, during which time, according to the Eureau of Vital Statistics, there have been 1210 less deaths from tuberculosis; in addition 717 hospital beds have been provided for the tuberculous sick; laws have been emacked, soverning the control provides for the twoerculous sick; laws have been enacted, soverning the control of twherculosis; which places New Jersey in the foremest rank among the States; and there have been organized 35 local associations, many of which are doing much to protect and educate their communities by lectures, literature, exhibits, nurses, day casps, and out door? schools.

We need \$1,000 to complete our budget to November first. Will you not contribute \$25.00, making your check payable to Thomas H. Williams, Treasurer, Room 909, 164 Market St., Heavark, H.J..?

Yours very truly,

William C. Smallword

Executive Secretary.

Form 2-6-13-13-2000						
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Mr. T. A. Edison	4	₽	⊦	Н	+	_
Mrs. T. A. Edison	4	╀	⊦	Н	+	
Mies Madeleine Edison	_	-	┡	Н	+	
Mr. Charles Edison	-	1	₽	Н	1	_
Mr. Theodore M. Edison	-	1	1	H	+	
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NATIONAL ELECTRIC LIGHT ASSOCIATION

MECOMETE A T IN P GILOURIST PIERT VICE-PRESIDENT ORIGING LLL

MET YORK. May 19, 1911.

& Che

Thomas A. Edison, Esq. Edison Laboratory Orange, N. J.

Dear Mr. Edison:-

All Maridan appear of Our mutual friend Mr. Gano S. Dunn, has just put in his application for the Engineers Club, proposed and seconded by Professor Jackson and myself. We shall be greatly obliged if you will endorse this in person or write to the Secretary of the Adminsions Committee requesting him to do so with your name. There is a long waiting list but it is the practice of the Club to give priority to the incoming presidents of the national ongineering societies, if up for membership, and it is naturally desirable that Mr. Duan should be able to enjoy all the facilities of the Ulub in connection with his new work immediately after the summer.

Thanking you for your kind oc-operation, believe me,

Yours truly,



TELEPHONE 7000 COLUMBUS

THE AUTOMOBILE CLUB OF AMERICA SATIAND SOTH STREETS WEST OF DROADWAY NEW YORK CITY

SECRETARY

May 22, 1911.

THOMAS A. MDISON, ESQ., Llowellyn Park, Orange, How Jereey.

Dear Sir:

I have the honor to hand you herewith your membership card for the year 1911, as an Honorary Member of The Automobile Club of America.

Yours very truly,

F/P Enclosure. Char Fording

AUTOMOBILE CLUB
OF AMERICA
OUTCOME DE DISTORT

THOMAS A. EDISOR

Fig.

Howevery Member of The Administic Club America.

MAX THEILHEIMER VICE PRESIDENT

ROBERT L. STEVENS, JR. *******

CALVIN L. ELEET SECRETARY

HOME EDUCATIONAL SOCIETY

FIFTH AVENUE BUILDING

200 FIFTH AVENUE

TELEPHONE, 378 ORAMERCY

"r. Thomas A. Fdison, Weet Orangs, N. J.

Dear Sir

Wholeson the street of white of the party of A few days ago me took the liberty of writing you, re-questing you if you would be so kind as to favor us with some article that you had perhaps writton or copy of some address which would more or less be of general interest to heap people, particularly on the subject of clothicity in the home.

We wish to use this article in our book, "Hints for The Home", to which we have many noted contributors, in-cluding Pres' Emeritus Eliot of Harvard, Hon. John Wans-naker, Hon. Mathan Straus, Dr. Harvard Wiley, and many others.

Any artice that you may have which has been published you can eall our extension to the seal life the va-per can eall our extension to the seal life the va-ture of the seal life to the seal life the your kind attention, and will take great placenure in old-ing on you in reforence to it, if you wish us to make a personal coll and give you any further information.

se of oditorial work.

EW-AA

Clus

THE DELAWARE, LACKAWANNA & WESTERN RAILROAD CO.

Traffic Department, West Street Building-90 West Street,

Tour sth, 1911 New York City.

Dear Mr Edison:

The enclosed copy of my letter to the Committee on Membership, Essex County Country Club, written in behalf of Rev William Albert Frye. Pastor of the Methodist Episcopal Church of Orange, is selfexplanatory.

I have met Dr Frye several times recently, once when calling on my father-in-law Bishop Bowman, and learned that he was quite interested in golf and would like to be granted the privileges of membership in the Essex County Country Club under the rule covering the extension thereof to clergymen resident of Essex County.

Hope it may be agreeable to you to write a letter to the Committee on Membership endorsing the proposition I have made.

Thanking you in advance for the courtesy.

I remain.

Respectfully Polled Sur

Mr Thomas A Edison Llewellyn Park, Orange, N.J.

THE DELAWARE, LACKAWANNA & WESTERN RAILROAD CO.

Traffic Department, West Street Building—90 West Street, New York City.

U. D. CALDWELL, VCC-PASSESS.

July 5th, 1911

Committee on Membership,

Essex County Country Club, West Orange, N. J.

Gentlemen:

In accordance with Article Three of the Constitution which provides that members of the Clerky, resident in the county of Essex, may qualify as, and be members of the Club, without payment of initiation fee and dues, upon election in the same manner as resident members, beg to nominate for membership, Rev William Albert Frye, Pastor of the Methodiat Episcopal Church of Grange, NJ. located on the corner of Park Avenue and Day Street.

Dr Frye is a clemyyman of recognized character and ability and would be glad to have the privileges of the club, particularly with respect to the golf course, in which game he is much interested.

As Dr Frye is Erysdison's pastor I have written Mr Edison making him if he would not be good enough to write you a letter as endorser, in accordance with the requirements.

Article Three also provides that special privileges
may be extended to non-members by the Board of Governors and, with
this in view, am asking if it would be consistent, pending the
taking of action extending the privileges of membership to Dr Frye,
for him to be my guest on the golf course, with the understanding
that each time he played proper curv would be signed and charged to

(2)

my account. Am making this suggestion for the reason that I am assuming it may take some time for the Board to act upon the main question and as Dr Frye will probably do most of his playing during the intermediate days of the week, at which time I will be unable to be with him, am hoping arrangement can be made so he can, during such interim, have the privilege of playing as my guest without the enforcement or the ordinary requirement of my socompanying him.

Would appreciate advice from you as to the extent to which it may be consistent and agreeable to comply with the within request.

Respectfully,
(Spligedustic)

July 5, 1911

Paris

Thos. a. Edison

Itake pleasuri in

informing you that Committees outmobile Club, France, Las

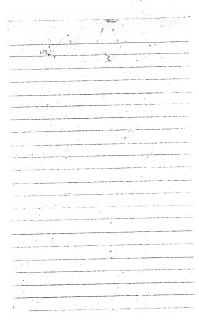
Outomobile Club, France, Las elected you by accommation.

member of Honor

Liganed

Dezugler Pris.





You are neede as honorary member of the French Automobil Class Dezugher President

Quelomosti Charlo of France
PovisMany Thanks for the honor

Calle Paid here—

Till Irends

THE TELEPHONE PIONEERS OF AMERICA

15 DEY STREET

t. W. POPE r. B. DOOLITTLE L. R. TRUEX

(moir/ig

My dear Edison,

Your absence in Europe has prevented my writing you before this with regard to the organization of the Telophone Pioneere, which I am intersected in promoting. I am very auxilus that you should become a member and have your name insortbed upon the rolls.

We have about 450 names of those dating previous to 1890, which is the line drawn on the Pioneer situation,-"Junior Pioneers".

I enclose the ordinary form of invitation to join and also a notice with regard to the first meeting, which is to be and do not be somewest Refel, Boston, Hovember to the bunguest is to be on the night of the Styl, and is to be of the Gridron character - with ylenty of ginger.

I also enclose one of the usual Memorial notices that we send out at the death of members. By the way, this one is of one of our old associates, Billy Sargent, whom you will probably recall.

Do you not think you could arrange to be present at the meeting. Flease let me hear from you.

Yours truly,

Hun a Bhs



AMERICAN MUSEUM OF SAFETY

cleties' Building, 29 West 39th Street, New York

November 4, 1911.

IRON AND STEEL SECTION: Charles Kirchin ITATION E Dimen M D. Chairman

Mr. Thomas A. Edison.

My dear Sir:

On behalf of the International Committee for the 1912 Congress on Accident Prevention to be held in Milan, the American Museum of Safety has been appointed the representative for the United States to organize an Honorary and a National

The Honorary Committee is limited to sixteen. By the enclosed proof you will note the eminent character of the Statesmen, Governmental officials, and Industrialists, comprising the Prench and Italian Committees. Similar groups are organizing in Germany, England and Belgium.

On behalf of the International Committee, we cordially invite you to membership on the American Honorary Committee which will represent great American industries and men of influence.

James Speyer. By this same mail, invitations are going forward to President MoCrea of the Pennsylvania Radirocs, and Carmand to President MoCrea of the Pennsylvania Radirocs, David Carmagie, J. P. Morgan, Cyrus MoCormick, N. C. Prick, Ben L. Jacob Schiff, Scortary Maged and the President of the United States.

Trusting that you will consent to be a member of this distinguished group, I am, on behalf of my colleagues.

Very sincerely yours,

Kirchlaff I do not like to go on horrow

First National Exchange Bank

United States Depositary

11. G. HARNUS, PRESIDENT, G. F. NULLER, YOU PRESIDENT, GIR HILL, GASHIER D. D. BROWN, ARST, GASHIER, A.C. LABREN, ARST, GASHIER

Port Huron, Mich.

November 22nd.,1911

Thos. A. Edison:-

Orange, New Jersey.

Dear Sir:-

NOV 24 3

Beg to acknowledge receipt of your letter enclosing check for \$100,00, donation to the Y. M. C. A. of this city. We wish to thank you very kindly for this remittance and assure you that it is greatly appreciated by the members of the association of this city and also the citizens.

Yours very truly

Prouve Preasurer.

(m, 12/11

II.M. BYLLESBY & COMPAN 20G NOVIH LA HALLE STR

COLCAGO.

My dear Mr. Edison: My dear Mr. Edison: When the state of the more work take to be You were kind enough to tell me that you had taken great interest in reading the proceedings of the

Second Annual Convention of our staff and employes, which moretione, 2 well go

was held in Chicago last Jamuary was held in Chicago last Jamuary harden was the company and the organization of H. M. Bylleshy and Company, Mr. Insull, myself and Mr. Muy all started their life-work with you. We share built up a large and successful business of continually increasing size and bottomed upon the art which your labor gave to the world some thirty years ago.

our convention this year begins on Tuesday Jah-uary 2nd, 1912, and terminates with a banquet on the ven-ing of Friday January 5th. This convention is of addition-al interest in that it marks the completion of the tell years which the organization of H. N. Bylleshy and Company is been in existence. It will be an enormous satisfaction to all of our partners, including Insull and myself, if you oould manage to be present with us for at least the clos-ing day. If you could manage this it would be our very great privilege and pleasure, if you so desired, to bring you here and return you to New York in a private car, either the Directors' car of the Chicago, Milwaukee and Puget Sound Railway or some other equally well equipped car, and we would also be delighted to arrange to have with you on the car such friends as you might desire to have. Personally, I should be delighted to make the trip with you and I have no doubt that Mr. Insull would be able and willing to do the same.

We always have prominent people at our banqueto and there will be a number of the leading men of Chicago and the West, including railway presidents, and altogether I am confident that if you could possibly spare the time you would enjoy the occasion and it would be a great favor to our organization, most of whom are made up of young men to whom you, your name and your work is a very great inspir-

Please do not decline this without due consideration, and I will be very glad, if you can see your way clear to be here, to visit you at Orange to arrange the details.

We are hoping that Mr. Coffin will be here and if so I know that he would be delighted to come with you on the car.

I believe that our organization in its wide extent and universality of its operations in all classes of electrical work represents at least as good an assemblage of thoughtful, hard-working young men as any organization in the country, and I have no doubt that in yours to one when you and the young men of this organization on the country of the country of the constraints of the color of the country of the country of the constraints of the older ones.

On behalf of my organization I extend to you this invitation and add to it the very earnest good wishes of Insull, Huey and myself.

Very simerely yours,

Mr. Thomas A. Rdison, Llewellyn Park, Orange, New Jersey.

November 28, 1911.

مملسل

The Madern Historic Records Association

INCORPORTORS
DIT. Coorge F. Kunz
Janica Victora. Devoling
On B. Hebbarn
All Hebbarn
Meloilit E. Stone
Gen. Thes. H. Hubbard
Dev William Miligan Scane
Robert C. Ogien
Day G. Agar
De, Meloilit Devey
Alex. Korna
De. Talocu Williams
George A. Pilimpson

The National Arts Club, 14 Gramercy Park

New York City, November 29-1911.

INCORPORATORS
Jeeph Rowan
Jeeph Rowan
Jeeph Rowan
Jeeph Rowan
Jeeph Wall Warner
Hobert L. Bridgman
Dr. Smith Elly Jelliffe
Edward Hagaman Hal
Dr. Apped G. Cerster
William T. Evans
Chaeler R. Lamb
George S. Johns
A. S. Van Wersum
Roger Fuser
M. Cravath
Alfred H. Stunders
Lepis Manafield Ogder
Lepis Manafield Ogder
Lepis Manafield Ogder

Thomas A. Edison Esq., Llewellyn Park, Orange, N. J.

Dear Mr. Edison:

do example a servous applean of nother

the Modern Historic Records Association with your presence at their meeting on Saturday Poember 9, at eight of clock in proceed the evening, to be held at the National Arts Club.

of this association, whose object is to preserve permanent blackers, records not only of personalities by means of illustration, the second of the human voice as well, these records to be put away but of the human voice as well, these records to be put away for periods of fifty or one hundred years or more, and then exhibited for their historical value to the people of the first historical value to the people of the first thruse. Thus thruse generations will be given and opportunity of however to know how celebrated characters of our own day looked and the people, and moved about.

the subject, and would like to know whether it would be convenient to you to let us have a couple of records of your voice? The enclosed letter, a copy of which was ent you yestextuy, will explain further circumstances. If you attended the meeting you could leave as entry as ten o'clock if you wished.

Trusting you will find it feasible to grant our request, and appreciating your courtesy should you decide to attend, I remain, believe me,

Very sincerely yours,

feorge Thung

N secretion

[ATTACHMENT/ENCLOSURE]

401 Fifth Ave., New York. November 29, 1911.

A. F. Miller-Esq., Secretary to Thomas A. Edison Esq., The Laboratory, Llewellyn Park, Orange, N. J.

Dear Mr. Miller:

As per your courteous request, I am sending a letter to Mr. Edison, which I shall be pleased to have you present, and receive, possibly, a favorable answer from him. I may add that the present time marks an era in the preservation of historic records, and I am sure no industries more than those of Mr. Edison will profit to a greater extent if our present project materializes.

Thanking you for your courtesy I remain, believe me,

Very sincerely yours,

Herze Filling.

P. S. It's are ray amended to have him Edison heer stand this i) amore of the jump hours.

Please read endorsed find

[ATTACHMENT/ENCLOSURE]

COPY.

November 28, 1911.

Mr. Thomas A. Edison, Llewellyn Park, Orange, H. J.

Dear Sir: -

By the authority of our Board of Directors, among whom is Dr. George F. Kuns, with whom I em communicating on the subject, I wish to sak you if you will consent to the private oxhibition or demonstration of some of the combination moving-picture and phonograph records your company has recently taken of freedlent Ent. The demonstration desired would take place at the first meeting of the indication in the consentation desired would take place at the first meeting of the indication. The consentation of the consentation of the indication of the consentation of the indication of the consentation of a certain number of our innerproture, who, as you will see, include some of the most distinguished men in New York. Our purpose in making the request is simply to provide an impressive demonstration of making the request is simply to provide an impressive demonstration of the methods which the association purposes to employ in obtaining re-cords through the medium of the phonograph and the photograph plate, to be preserved for the enlightenment of postority. There is nothing to be preserved nor the enigneement of postority. There is nothing commercial in our undertaking, and your consent to use these rocords would in no way give them an objectionable publicity rejudicial to your intorests. If it needs your views, we should furthermore like to deposit one of the films used on this cocasion in a sealed concrete box, which will be stored in the lews fork rathic fibrary until such time as we have a billding of our own. This demonstration woul unquestionably emphasize in a way that no mere addresses could indicate the importance of the work which the Association has undertaken; and This demonstration would the importance of the work which the association me intertaken; and, lenoring your public spirit, we feel that you would be willing to give your consent to this plan.

If you will do so I shall immediately communicate with the manager of your studio in used 43rd Street, and make arrangements with him for the demonstration, subject to such condimise surrangements with him for the demonstration, subject to such conditions as you see fit to impose.

In this connoction I should like to ask you whether your recent invention the new your hand and you make you have now you have not retained invention there is not never the new your hand and the third perforted to canble us to make use of it in any way. If so it would doubtiese better serve our purpose for some of the roadwad we expect to take than any other material available. As only about ton days will clapse before the meeting, I shall be greatly obliqued to you if you will let me know at once if you oan comply with our request.

Very truly yours,

(Signed) W. T. Larned

Secretary of the M. H. R. A.

NewYork Contral VHudson Itiver It.P.:Co: Grand Contral Terminal,

George W. Killredge, Chief Engineer,

K-N

December 1st., 1911.

My dear Mr. Edison:

DEC 2- 811

The Technology Club of New York (The Massachussetts Institute of Technology of Boston, Mass.) is going to have a dinner on Saturday Evening, January 13th, at the Kniokerbooker Hotel, New York Oity, and it would feel highly honored if it oculd have you as one of its guests of honor on that occasion. It would feel more honored still if you would consent to give a talk (not exceeding fifteen minutes) to the members of the Club upon such subject as you may elect.

Flease do not feel that if you decline the latter invitation you must necessarily decline the former one. We should be delighted to have you our guest of honor even if you do not desire to meak to us.

we usually get about two hundred Alumni and former students of Technology together on cocasions of this kind and we try to have one or more celebraties present.

Hoping that we will get a favorable reply from you, I

am.

Very sincerely yours.

Liou Kuneage.

When-President of the Glub.

Hon. Thomas A. Edison,

Llewellyn Park, N. J.

[ATTACHMENT/ENCLOSURE]

. Wandscraft

My Dank-

Jan 13 is a long way off-possibly I can wind time to drop in Tase the bund of "Shak Rulino" on date mentioned

H.M.Byllesby & Company

ENGINEERS 206 South La Salle Street

CHICAGO

December 6th, 1911.

Ot 14-

Mr. Thomas A. Edison, Orange, New Jersey.

My dear Mr. Edison:--

I have your kind favor of December second and all of us are delighted with the prespect of having you present, at least at our banquet. Outside of the salfish interest we have due to the pride of having you present on this occasion, I can assure you of having the throughly enjoyable time.

Among others who will be present will be Norace 6. Burt, formerly President of the Union Pacific Railway and now in charge of electrification of steam railway terminals in the City of Chicago; Mr. A. J. Earling, President, Chicago, Milwantces & St. Railway and Chicago, Milwantces & St. Railway and Chicago, Milwantces & St. Railway, Mr. Chicago, Milwantces & St. Railway, Mr. Chicago, Milwantces & St. Railway, Mr. Chicago, Mr. Chica

Chioago has the reputation of having the most enjoyable occasions of this sort of any city in the Country and people are kind enough to say that our Annual Banquet is the most enjoyable of any.

It will be a great pleasure to me to bring you and return you in a private our if you would be willing. I have no doubt Mr. Coffin will be with you on the our unless he should happen to come a day earlier, and any friends that you might our to have with you.

The trip on the car would county probably six hours longer than on the Century or Pennsylvania Eighteen Hour train, and we would suggest that the car leave New York on the Lackswanna to Buffelo and be shifted there to either the Michigan Central or Grand Trunk to Chicago, as this makes a very pleasant and easy trip.

II. M. BYLLESBY & COMPANY

Sheet #2. Mr. Thomas A. Edison.

If not intruding I desire to include lira. Edition in the irritation. I had the pleasure of metal come at a reception to you at Briar relief. The ladies of our families would esteem it a very great privilege and honor to endeavor to make lirs. Saison's stuy agreeable.

If you can possibly arrange to make this trip you will be doing the industry which you created a vast amount of good. Nothing will occur distasteful to you or to bother you, and broadly, I can guarantee you the best possible time.

I would thank you to let me know as reasonably early as you can as in case you will avail yourself of the private car I would take a certain sentimental pleasure in transporting you in our Directors' Gar of the Puget Sound Road, and would require a few days to put the car in commission and have it ready.

Hoping you will favor us, I remain,

VIRALUS

Very truly yours,

HMB/M.

Manufacion Mars.

[ATTACHMENT/ENCLOSURE]

By Cleshy and My Wand of My Confine Can, with me, the private can with suit some wiff on the private car.

Yweccsign -

Ychools

NewYork Central & Hudson River R.R.Cc

Grand Contral Terminul,

George W.Killredge. Chief Engineer, Sin Gorb

V-1

F); 43- 1

December 8th., 1911.

My dear Mr. Edison:-

I am very glad to get your letter of the 7th

instant, and know that the "Slide Rulers" would give you a very oordial weloome if you can on January 13th find the time to drop in and see us at the Knickerbocker.

I shall take the liberty of reminding you of this fact again as the date of our dinner approaches.

Yours very truly,

Mr. Thomas A. Edison,

Orange, N. J.

& Trunds \

Dec. 11th, 1911

Mr. H. M. Byllesby, 206 South La Salle Street, Chicago, Ill.

My Dear Byllesby:-

Your favor of the 6th instant is received, and from the warmth of the invitation of yourself. Insull and associates, I feel constrained to lay saids my work and he with you at the closing function of your convention. So, if I can get through in one day and a night, I will accept your kind offer of a private our.

If I were to go by mymelf I would go in a regular car, not having reached the private acr stage of travelling. But as my wife and daughter have also consented to saccept your convicuum invitation, and will accompany me, the private car will suit the combination. I hope Mr. Coffin can go with Ms.

Yours very truly,

TAE/ES

TAL America

WESTERN UNION THE BURAPH CO.

Dec. 18th, 1911

DATED -- Chicago, Ill.

TO -- Thos. A. Edison, Orange, N.J.

We are arranging for private car Wisconsin to leave Jorsey City at nine forty Thursday morning January fourth to arrive Chicago eleven forty January fifth, and if entirely satisfactory to you and your ladies, we would suggest that the car leave Chicago on return Sunday morning, as we would all like to have you here for the entire day Saturday as well as for the more formal things on Priday. Flease answer.

H. M. Byllesby

Outo

The:American Society of Mechanical Engineers Colorbition So 29 West Thirty ninth Street; New York possepar 19 1911 - 191 cour order for a Bo Luxe Matter of the John of the John already been acknowledged.

The Society is just now in receive.

Mr. Thomas A. Edison.

West Orange, H. J.

bear Br. Edison,

Fritz Autobiography has already been acknowledged.

of those friends of #r. Fritz to whom it is his intention to send a presentation copy, and as we find your name in this list we wish to inquire if you still desire the copy you have ordered.

If the copy which ar. Fritz will personally present to you is the only copy you need, then we will be pleased to

cancel your order and return your check.

OWR-PH-T

www. Whee

THE Frends

Telegram

Dec. 19.1911

H. M. Byllesby 206 Source La Lalle St Chicago, St.

Your telegram received. In repey I will say all right.

Edwon

14. W. Jee

7115 7 man /s

II.M. BYLLESBY & COMPANY, BENGAPOLIATEL CHICAGO.

7106 OF THE PRESIDEN

December Elst, 1911.

Mr. Thomas A. Edison, or Mr. W. H. Meadoworoft Orange, New Jersey.

Dear Sir: -

This will be presented by Er. Jim Hill, in charge of the private oar "WISCOUSIII," who desires to see Er. Edison relative to any details of Er. Edison to trip to Chicago and return on the oar "WISCOUSIER."

Jim is thoroughly familiar with all the details of the trip and may be of service as to the handling of beggage or any other matters which may require discretion.

Very sincerely yours

Malusy

Outo

NewYork Central v Hudson River R.R.Co Gund Central Terminal,

George W. Killredge, Chief Engineers

Moura

December 29th., 1911.

My dear Mr. Edison:

It has coursed to me that inasmuch as you have said that you would not speak to the assembled multitude when we have you as our guest at the <u>Technology Club</u> Banquet on January 15th at the Hotel Knickerbooker it would be an appropriate thing for you to do and a very taking thing with the boys if you could sometime between now and the 15th talk into a phonograph - say about two hundred words - and on the evening of the 15th have what you have said reproduced through the phonograph. Our Club will very gladly bear all expenses in connection with the engraving of the discs and snything slee connected with such an arrangement.

Have I made myself clear, and can you not do
this? Everyone of the boys to whom I have spoken has expressed
himself as being very much pleased at the thought of seeing you at
the Tschnology Club Banquet.

Yours very truly, Lawhungs

Mr. Thomas A. Edison,

Orange, N. J.

Edison General File Series 1911. Copyright [not selected] (E-11-34)

This folder contains a 28-page document, printed by the British House of Commons in July 1911, entitled "A Bill to Amend and Consolidate the Law Relating to Copyright."

Edison General File Series 1911. Deafness (E-11-35)

This folder contains correspondence relating to Edison's deafness and to devices for the hearing impaired. Included are requests for Edison's opinion of existing hearing aids, as well as inquiries concerning his plans to invent such a device. Most of the letters received no answer or a standard reply stating that Edison had discontinued his hearing aid experiments and that he expected to return to them in the future. The correspondents for 1911 include Joseph Byrne of New York, a physician studying the functions of the inner ear and its relationship to sea sickness.

A sample of less than 5 percent of the documents has been selected. Most of the selected items contain marginalia by Edison.

NOSKAUER KAUFMANNSBAN St.-Pétersbourg, Kleff, Rostoff s/D. Medinon t au 4/20/11 Dear In, Nations that my hearing Specially that sulfed several Executives in Sougland Terulary & anxin of when nobody could help me, although stating that the ear-driver are slightly damaged observes I lost quite my hope of him buce Valle to hear well ream. At your lears sulall & invisible mem brakes of metall mounted by yourself & and have heard must well again. Not being able to learn of x where I could, wichase your ingenious membranes, beg, 63636

be so wind w to let me know adress myself If those new yours survert he wi anywhere, Tallow myself to beg you humbly so good & to inform me that amount have to remit to you to obtain I of yo frances for the eachs. Kind annual Gremain, Clar In, Yours respectfully onny . S. Meregono, Bounder ?

deaf 1

OVERTON WALL PAPER & PAINT CO.

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OILS

5/1/'11. EUGENE, OREGON

EUGENE

P. O. BOX 121

Mr. Thomas Fdison, Washington, D.C.

pear Sir:-mowing your inventive cenius has done much for the uplift of mankind, will you permit me to ask you a few questiond, and hope you will grant my request and answer the same.

I am only a poor mechanic, and therefore am unable to engage the services of an expert space ialkint, in the way for Acaustic treatment 195 my heuring.

I am wit hard or hearing and would give the world for some relief, as f find it handicapps me much in my work.

In your opinion do you think that the hea ing can be regained by the aid of

I have investigated some electr find they would do pretty well.only ies wear out suickly-some as early days.

Your much valued advice will be much ap preciated, and hope you will tell me what would be best, or suggest some remedy.

Thanking you in advance for the answer, and hoping you will not think me asking to much,

I beg to be young mith Brucking .

FOR SIL

New Sim. In Sept. issue of "Popular Electricity" are invention by mer Edina called the acoustythou was african of. Can you give me any inf to it friend ite Ruf C. A. albright-July off Neft, Mich, lustral P.R.

[ATTACHMENT/ENCLOSURE]

Ours 26-1911 Sept 26-1911 m. 6 W Albright, Jelegraph Dept. mich. Central RR. Jackson, mich, Dear Sir. your favor of the 10 ! instant is received - Replying to same I boy to say that I do not know of the invention you specify by the name mentioned, by the name mentioned, It may refer to the megaphone In Edison invented many years ago, or to a modification of the same idea for deaf people, I do not know that either of them is being manufactured. your very bug Private Secretary.

CABLE ADDRESS "TESLINO" HEW YORK

CHARLES S. POWELL & CO.

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ASTRAL ARG LAMPS

OFFICES 165 BROADWAY NEW YORK EASTERN AGENTS
THING LUBRICATING PROGRETS
ERIKSON ELECTRIC CO.
ATLAS CAN B. Mrd. CO

aug 11/4

Hon. Thomas A. Edison, Orango, N. J.

Dear Sir:

The undersigned, who has been partially deef for fifteen when has recently found one of the natificial hearing devices modeled on the principle of the telephone which has afforded some relief. The inclusion of the telephone which has afforded some relief. The inclusion of the telephone which has afforded some relief. The inclusion of the telephone which has afforded some relief. The inclusion of the inclusion o

You know by experience, Mr. Edison, the inconvenience and charmaness to chain people with imperious houring are subjected, and it is the property of the property of the property characteristic control of your valuable time to this matter you could onsily ownrouse the existing defects and make a perfect hearing instrument of the aurophore. By so do not community who are now forced for inflowed that the property of the property

I trust you will pardon me a perfect stranger in addressing you as above, and anticipating the pleasure of hearing from you on this subject, I am,

Respectfully yours,

Arthur R. Perry.

Elisa TA - Denfrom

New York City. Dec.3th.1911.

To Mr Thos. A. Rdison, wet orange . H.J.

Dear Sir:-

I have been for some time rast engaged in the experimental study of the semicircular canals of the internal ear and their relation to seasickness. The conclusion reached by me is that the malady is in the first instance due to irritation of the sensory end organs of equilibrium situated within the internal car.

It has been known for some time that deaf mutes and animals from which the internal ear has been removed are unsusceptible to seasickness and to artificial sickness induced by rotation and galvanism applied over the site of the semicircular canals.

Now, knowing that you have suffered from an ear affection I am curtous to know :-

- (1) Whether you have ever been susceptible to sessiokness: Mo
- (2) If so, when did you first discover that you were immune; al
- (3) And at what time of life your our bocame first affected.

I feel that I am unwarrantably trespassing in asking such personal questions. But you will understand the spirit that prompts me.

Thanking you in advance, I am,

Yours Sincerely,

Dr Joseph Byrne, 29 West 61st St., New York City.

Day I believe you bothyme have a good toplanmation.
I have a good toplanmation.
I have to contract to contract to due with contract of the sportslevel to due with contract of the sportslevel

Drafact. au in/21/11 door not worked in the line, you speak of = you abould Youry B. King Draw mr. Estimated Componey Cuputin Ha. with one car and returning commercian The bu. Remotic Co. of Jamaion, I. E. hur bum bying To interest me in one of Him mistrum englis, which they your on trial. It occurs to an tolorist and dich of you have cons no fun much of whom the lines. I would of course much rather put myry in your lunds than in more of a possibly mine atomy forkers. If you have not, would it be importing too huch on your good notion to arts your opinion of the Andowble much of such an instrument? In can you have dot have of it I may in flow met it comits of a borning, a " The wanty of maning hi batting our a worth or from in Marback mr. This. R. Erson.

V Deg

New York City, Dec.16th 1911.

To Mr Thos.A.Edison,

Doar Sir:-

Nº 18 -11

I thank you for answering my questions.

Whill it is very probable that your our affection has had something to do with your not vomiting. The somicircular canals and the otilized apparatus of the internal car are in close relation with the otilized centre.

In producing artificial seasickness by mosts of rotations and aural irrigations it was found that these procedures, when practiced with the subject lying on the back, dig, and cause nauged or vomiting; but if the subject sat up on attood up/immediately/after such procedures he usually became nauseated and built-did and other evidence points to the otcliths which are process into play when the exact posture is assumed. The otcliths seem to act ag a setting mechanism for the vasc-constrictor and vomiting central.

The vomiting centre repetives incoming (afferent) impulses from all the sensory areas of the body and from the psychic centres of the brain. The centre is however, most closely related to the gastro-intestinal tract and the internal ear so that the invulsen coming in from either of those areas, if of sufficient intensity, can most readily eat the neusea and vomiting mechanism in action. Impulses coming in from any one of the related sensory areas reinforce those coming from other sensory areas. Hence when in seasickness the impulses from the send-circular canals have the vomiting centre on the verge of "going off" the presence of food in the stomech or such things as disagraeable sounds and odors or the sight of food etc may bring on vomiting.

It will be readily appreciated that the loss of function of the headcircular canals and stellths would have a tendency to lessen subspitbility to ventiting. Some individuals acquire great columntary control (subconscious) over the reflex mechanisms and this fith retional habits as to diet may be a possible factor in your case.

By wey of further inquiry I would defreciate it if you would answer the following questions? When I thus

(1) Have you travelled or ridden on the sea before the age of ten? Y4.0

- (2) Have you ever been made dizzy or nauscated by swings, trains, blows, jers or other such disturbances ? NO, mark
- (3) Is your ear trouble confined to one side exclusively ? both
- (4) As a boy did rapid turning on your feet (pironetting of dancers) make you dizzy or nauseated ? Only du334
- (5) Do you think such turning would make you dizzy or nauseated now ? WED-

Again I find mycelf trespassing on your goodness.

Yours very truly,

P.S.

You will find many interesting cases somewhat like your own recorded in my forthcoming book. I shall send you a copy (presentation) when it comes out in January.

Dr Joseph Byrne, 29 West 61st St., New York City.

aux 17/27/11

301 Boundary Ave., Macon, Ga. Dec. 20, 1911.

hr. Thos A. Edison, Orunge, N. J.

There is a concern in my called the

Dear Sir:-

About forty years and I had an attack of bleerated soro throat or trouble commencing with a nother the debut of the sort throat or cutarrial trouble commencing with an offensive dishermer from the left our followed by discharges through the nostrils; it was more than two years before the discharges were stopped; my senses of hearing, total and smell have most seriously impuired.

I have tried several kinds of car drums without being benefitted. Lately my attention has been called to Aurophong-for hearing and Arrasque for restoring the hearing, both manufactured by the Mouse Ear Phone Co., 46 % 36th St., New York, both electrical devices. Thave tried, not used, the Aurophone and I heard quite well with it. Dryou know any of these articles? If you do, is you think they are reliable and would be boundicial? Is there any thing you can recommend that will likely benefit me?

Hoping that I was not asking too much of you and thanking you in advance for your sourtesy which I will be glad to reciprocate when in my power, I romain,

Very truly.

2.0.6cx



Mr. Thos. A. Edison,

Orange, N. J.

Edison General File Series 1911, Edison, T. A. (E-11-36)

This folder contains correspondence and other documents concerning there is life story, his response to erroneous newspaper reports about him, his opinions on a variety of subjects, and numerous other matters. Most of the letters are unsolicited, but there are also exchanges with friends and business associates along with letters pertaining to clubs, societies, and special events, including Edison's birthday. A few letters contain reminiscences of Edison's early career, including his days as a telegraph operator in Louisville. Among the correspondents for 1911 are author Poutlney Bigelow, General Electric president Charles A. Coffin; longtime Edison acquaintance Henry E. Dixey, steel industry pioneer John Fritz, engineer Robert T. Lozier, and attorney and investor Williard P. Reid. There is also an exchange with author Isaac Markens in which Edison states his opinions about Jews.

Less than 10 percent of the documents have been selected. The following categories of documents have not been selected: unsolicited requests for donations, employment opportunities, and interviews; routine requests for biographical and other information, including Edison's advice and opinion.

Thomas (a. Edenin any) Don dis! I have read in the lad four, worther the new more author from much that I tramme when anything even need before, expensely in I refer have the relative emouning immediate.

I have hard in Komma life and roundy dure 1877-my contain house more (higher fair) Charlend, C. I now contemplate , a bound in the bouth, and would the your afternoon of an as to what city of gulf of Murian will benefit much by the Pomenta this of prince to and confibuted we mely Right With Bul leicher to Your Journ Jun Maring My Did, Thrued vary that Halveslow or (Our , for fireland, or clark.) New Orleans - worde by the Either - Z

Ofcomes 2 "bort" 2+ psch Mr. I.

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2, and thereberg that he littly has
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Man, If Mr. Eding does whe
care to Theman, perhaps he can
enggeth another copolle housel.

Man, that I may rask.

Resper fue, M.

au 5/3/11

Requests

Most Worthy Mr. Edison; -

Some time ago you rendered help to persons recommended by Leo N. Tolstoi, who, I dare say, treated also me very well. I am interested in litterature and have translated some Russian tales in English. One I foryurded to you. is a conversation held between me and h. N. Tolstoi published with his permission.

If there is any possibility to publish my writings in America and if your could aid me in this request, I would be really very much prized to you. If not, will you please return the copy printed and ubmitted to your attention. The copyright belong to me.

> Yours respectfully, Alexey Mochine

S. Petersburg, Pet. stor. Porchowskaya, 6/28, 6.

Neturn the Copy spay the the publishing Guer so whoh out of my has that you at loss to know what to de, & Kunfore ruturn the Miss-

[ATTACHMENT/ENCLOSURE]

Boreway bayraenoù Monaca Iducana! Men ugloremes, somo Bon or ene ganama patomen, mygunet beeny wijey a zono regular Bama munyma Spara. yours. He uplacemes were garage n one, amo Kasa Neba Thousand espamence sa Bame a spectous APP 14 gomes en Hyur gransmount pye-Eland namm fatomy, mo Bon canonina spinsam ic uning ux yumercando la kon Topara in sathan wer or coton. Tilaren bows, & manage Aska Thomewore, were come on use I many a do user, formance & offarmysel K Band a mpocoson - nouses wan aprempony we unepanypuant parono, repetedennous na anaviració язана. Перевод шили уре отга. rest a escaluses? menge, wow a use almifuce neath, nounges now estylenneyb. Pageragans spedmerglyezt menerain supalso odnoù mys seends wux en Nekar Thougand, naterogamise on en

ATTACHMENT/ENCLOSURE]

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May John Many Jacky 53566

1161 MR John John Colison.

On A Month, Color Top Secar, 6/28, 4, 12752

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survan paypaments you replosed 70-

3-17-1911.

Lozier, Riti

Kvantze Brothers, Burkors

Mr. Thos. A. Edison.

Orange, M. J.

Whi 5- 811

My dear Sir:-

You will probably be interested in knowing that I have lately become connected with the above firm.

They would be glad to give careful coneideration to such offerings of securities by well established public utility corporations that you may care to submit, or refer to them.

Believe me to be,

RTL.

Yours faithfully,
Rout Toyour
Raginger

Pasto see that you have made to good a connection a also that the large bankers are connecting up with Enguery it makes it Easier for the thought wenter who gets treed by

A. J. WHIMBEY

LITHOGRAPHING AND PRINTING

43 St. Sacrament St,

JUL 3- 211

SHOW OARDS,

MONTREAL June 30th

(my/6/1

Thomas, A. Edison Esq.,

Orange, N.J.

Dear Sir:-

The originals of the enclosed letters are under my control and if they are of any value to you, you may obtain them by communicating with me. If they are of no interest to you kindly inform me within the next few days, and oblige,

Hows no utual in the littles.
Hey were faked by somebody
the JTR never own me any money

I for "coburn " cornel maleouso launch However he is puting if back I may say when I he took the Idunah it was in poor condition so be fixed it and gave it a cost of paint bo be havet don it any harm your Trul

WILLARD P. REID FORTY WALL STREET NEW YORK

TELEPHONE 4300 JOHN

JUL 14 911

4/13, 1911.

Mr. Thos. A. Edison,

Edison Laboratoriss,

Orange, N. J.

My dear Mr. Edison: -

I am booked on the "New York" to sail on the 22nd for the other side. I anticipate going direct to London, expecting to be there for a week or so. I shall be very glad if you will send me a letter of introduction to your people there or to any other friends.

I trust this hot weather has not caused you any ill effects and that your health continues good and robust.

That battery you had made up last year is apparently as good as ever and has never been recharged; so that even though interested, I might recommend it to automobilists.

I notice the cement plant is shut down except on the shipping end. Is that from lack of orders or too large a quantity on hand?

With kindest regards, belisvs me

Yours very sincersly,

Millar M. Reid

Oct. 25.1911 (Malo)2)
BIOGLOW HOMESTEAD.

Dear W. Edison you recall me one who gave a talk before your Literary society many - many grears ago; onl whom you next day initiated into onyriads of onysterles as we walked about your museum - then perhaps you will be amused by the enclosed from a Hindoo of Calcutta whose family I had the pleasure of knowing in India. He is studying applied Rectricity in this country and is very curious and eager for your opinion regarding this crafy tale. But this fairy tale like many another has an esoteric quality which is rarely absent from fables and parables that endure. In this case the folklore student of a thousand years hence even

though our Patent Office be destroyed and every book and paper - year he will justly conclude from this one scrap alone that there was on earth a man who did wonders for his sellow man and his name was Edison. I have seen so much of this in my historical studies that this new example from India gives me but a very slight Hoping that this letter will reach you when you are in good health and possibly with a moment to space. Believe me. Faithfully yours fonetney Sigelow

Control of the second

32 N. Jery. Schemotody. 44. Ock: 22-1911.

My dear My Bigelow,

y and from a distribute of amoing article appeared in one of our verncentar paper & I am transly itlelor as librally as I can:

" On afternoon, at about 9 o'clock, a

Sweet Amelodious music was heard in lexics
after a heavy thunder storm. Soon after the a
diving being Came down from the clouds to the
earth Sitting in a chair of the Stood up as born
as the chair reached the ground. He was 20
feet tall, with a hig face a dig hose—his
hourds reaching down to his Kness—his legs
hourds reaching down to his Kness—his legs
romewhat like those of horses whis Companion,
red. Pleaf People raw away no brown than they lew
this appearance. Only the Electrician Mr. Ersan

[ATTACHMENT/ENCLOSURE]

Went forward to receive him Port they coned at understand each other language. It the approach plad planet, pointed his finger towards it & What planet. Estables were brought to him, but unstead of eating Them, he only Smell & all tu essence of the food (nutrino matter) disappeared leaving behind the residue or the useless mater Later on When the planet became brighter, he sew out from his pocket an apparatus Somewhetlike a lamps of cast a bright light on that planet of at the Same time a Similar light fell on his lamp from that planet Boy the method of Lighalling, he has been Lewonig his news dail 6that planet. He is a wizard of Electricity than Short to my Edison lots of wonderpe Olectrical Phenomena. Many people from Europele are going over to America to see him" I believe Mr. Edisan is a friend of yours. Woned you please write to him, for my sake to enquire about the above occurances on the face of it, it Seems to me to be about. Pont anyway I want to know that her Ession Lays. Hope you are both dang will with least rigars,

[ATTACHMENT/ENCLOSURE]

Thus tale probably come

from our Mulitary Charapteries

onlicencian adighting

onlicencian acid, during

the Diaz Trouble when

our transport and on present

the border

W. Fourts - Friday Between Rome Mr. Thomas A. Brisen Sougeney (W) Dear Sin's at M. July request law writing this. It wishes to hiere whether you expect to attales the Connect Banguet of the story of ward Archibects and , learnic tiquiers at the Haldorf - astrin on Victay Enming lor 17. Shall permitting to will contine the ting bery aske is systemely anyious tomest and founds and associates of ware at this writing, because t fortell his Condition & Weeks lance . he his to large un abody uchis lenite as bevas Loyear younger a mount sty hardly use is . His appettle for a tack byon is very kiew and If some he a most delightful a cincidence if attendure at the function refered to a meeting would take floor. Mile wantest regards for Millions Leanin with acoperty Quesul Hours. Abraham Schropk Say W. E. w. cc Cay To attend but in Case he does not be repeats to a me to Bethicken ollowely a course once or are mer fritz Acymond the control friend Acymond the control friend the sottell him out of legs houle that when he got time to Come up tree the as I thank I'can put him in the way of working come money

Mr. Seymour is out of town will action in a week. Reft message for him.

yarn

NEW YORK BOTTON EXCHANGE

NEW YORK BOTTON EXCHANGE

MATHEM TO 19 1'

MATHEM S LINES.

Dear of Manches Man

Whose a little pourphlate

from my special

A trackan stractor and the few?

By truly sending antomples

awandedynant for will

aways. For expecifully,

Jaac Mankens

[ATTACHMENT/ENCLOSURE]

Ed Hand Would

Isaac Marken My Dear Sin -- Your parple of at hand and I have seed it with interest, The Jews are certainly a recuberkable pe a ple, as strange to me in their wortation from all the occut of mankind, as Thosal mysterious people the form called gips... ocuce Terristo examplas" un morchantela primits, the moment got into out heres 5 serence de Alteratives the jeed to fine making Manager The travels will the that he has been porse and ol. for kenturies by ignorant Malegnant Eigott & forced cuto port of his present chanactorises

and he has acquered a lancoung pudgement on trade officer -Having this walnut or downtage over his fellows he has Taken Too queat an advantage of the . I hatter frage 4 got hume! 6 distiked by many as I saw in. Curapers M believe Hard in idurior Wohare he is not her to perez that in time he will consist of so clannish, anot carry to such Extremes his natural delvantagers 9 write you this as I can secon from the love of your 600 k (lac" you but loying to uphated The honor of the gewish ruce,

Procesign

THE Trends

200.21,1911

c.a. coffin

Railroad club.

Norm \$10-30 church strut. If possible will come to Lunch

signed

Colison

w. w. schegraph co 5 P.M



TELEGRAM

New York Nov 25-1911 T. A. Edison Orange NJ; I am going out of town on monday and its important that I	2	1 SBR Grange	m. Descript Parket No. 18246. This message subject to the terms and con-	25		27 NY			_
I am going out of town on monday and its important that I	_	andhista anthing at best.)	WHERE ANYD	1911	25-	nek Roa	New Yo		
I am going out of town on monday and I am				Orange N	÷	Edison	T. A.		
		that I	and its important	n on mond	tow	out of	going	I am	:
should know your mind in the matter you spoke of best regard	.8								

Hemorandum—

If the Mineteen in One try Wise Man of the Manual Conference of Every Color C

November 25/ 1911

[ATTACHMENT/ENCLOSURE]

wind land symp. -- Just forty-five years ago.

Rester of Western Union Telegraph Company at Louisville Ey. ---- Hevember 1846

Hamager	150	00		NO
A.Bllison, Chief Operator	150	00		
E.Morrie , Aest, Chr.Opr.	125	00		
W.Lewis Operator	125	00		
W.B. SemerWille Operator	110	00		
Tam Swindle	80	65	(part time)	
Jem swindle J.S. Carton	120		1	
A.E.Regleston "	115			
G.H.Curtime "	110			
J.A. Carrol	110			
S.L. Griffin	110			
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THOS. A. HDISON	110	00		
M.DeBree *	125			
S.P.Penbody	110	00		
D. A. Legen	110	00		
Sam Stevenson	110	00		
J.R.Erringer	100	00		
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W. O. B. McCarty Ekpre	90	00		
Tom. W. Magielian , Asst. Bkpr	40	00		
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J.Rabbeth Belivery Clerk	75	ÕÕ		
J.J. Weenen Clerk	15	ÕÕ	(part time)	
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200.000 one one				
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Wullen		õõ		
Landram .Geo.		45		
Talker		35		
		00		
Cooney	30	30		

Lapake to our people about you yealard my - Commat do anything until our Mr Dyer retions next week queme your ceddres 50 Y can Communicate with Calven

(d. 7 merios

ROBERT T. LOZIER

mother

IZO BROADWAY

December 26, 1911.

Mr . Henry Miller,

c/o Thomas A. Edison,

Orange, New Jersey

My dear Mr. Miller:

I have just returned from a long absence in the West and am now busily arranging for Mr. Edison's birthday dinner.

about the matter, He will be in Europe in January and will endeavor to arrange to attend the dinner, which he is every anxious to do. He does not think it will be possible for him to get back by the think it will be possible for him to get back by the week of the men will all all go on the American Institute of Rectrical Engineers' trip to Panama and they return on February ethous there on the 10th of Sebruary of the world to the on the toth of Sebruary the there on the 10th of Sebruary that he oan arrange for the 10th of the toth of the the sebre that he oan arrange for the

One other thing: will you be good enough to ask Mr. Drer what his hoth! will change us per cover for the dinner; we want here vysters down, an entree, the control of the c

I will telephone you to-morrow afternoon at 2:30 and in case you are not in your office, will you be good enough to leave word what you have been able to arrange in regard to the foregoing.

Thanking you very much for your kind co-operation, and with best wishes for a HappyNew Year, believe me to be,

Roth Join

1.6 - Ursitive

ROBERT T. LOZIER

120 BROADWAY

December 30, 1911.

Mr. Henry A. Miller,

c/o Thomas A. Edison, Orange, N. J.

My dear Mr. Miller:

I thank you very much for your advices, and please tell Mr. Edison that I have called the dinner for February 10th, 1912, and that we will meet him in the laboratory in the afternoon, provided the weather permits. If not, we will go direct to the Hotel. I will get in touch with Mr. Dyer as soon as I find out how many guests we expect to have.

With best wishes for the New Year, believe me

to be,

Yours very truly,

R

Edison General File Series 1911. Edison Crushing Roll Company [not selected] (E-11-37)

This folder contains correspondence and other documents relating to business of the Edison Crushing Roll Co., which licensed and installed Edison's crushing rolls and collected royalties for their use. Included are reports pertaining to the operations and output of licensees, along with correspondence concerning the collection of royalties.

Edison General File Series 1911. Edison Star [not selected] (E-11-38)

This folder contains unsolicited correspondence relating to the myth that Edison was responsible for a bright light appearing in the sky above Menio Park, N.J. Edison denied responsibility and stated that the light was the planet Venus.

Edison General File Series 1911. Education (E-11-39)

This folder contains correspondence and other documents concerning Edison's opinion on technical education. Most of the letters are unsolicited inquires regarding newspaper reports about Edison and requests for advice about appropriate training for technical careers.

Approximately 20 percent of the documents have been selected. The unselected items consist of routine inquiries with no substantive reply from Edison.

ar to learn experi Exercise work. If not, with you Mr Thomas please refer me -Klas Kir N a good & lectrica les I am 27 intering a Dehoor Of hick wold you Electrical School. dans coting work I wall bike your advice an the or Pheting 6 paring. election of a good I would be very school. thankful to reciuse No you wink Him Electrical advis on thes reflets, over I am A out at Makington W. C. in any up yours very truly. to- date arkent to Forest Huddison ham & uctives Endineering! .

Schools From The Laboratory of W. C. VASBINDER Thomas a. Edison. Orange M.J. Well Dear Sir. Us Two to you some time Nago about what school would be the best to attend to get a good Technical Education, I would still appreciate your advice as I am very much interested in your work, and am Trying my best to follow the same profession that ajon have so well accomplished. Hoping to hear from you rome a dately, with sufficent advice Fremain.



CTRACTURE, T. T. ORT STOP (1)

Thursday, Dec. 7, 1011.

OPPOSES EDISON'S OPINION ON COLLEGES FOR ENGINEERS

Dean Graham, Saye Man, Not Likely to Be Any Worse for Education.

NOT AT UNIVERSITY FOR SOCIAL COURSE

Students There, He Says, for Training That Helps Them in Business.

Acting Dean, W. P. Graham of the L. .

Acting Dean, W. P. Graham of the L. .

Acting the College of Applied Science, and syracose University, takes lette with the scientiation of Thomas A. Edicon, nuted wentor, that recollege training has all right per lawyers and literary persons, but out for buyers and literary pursues, buy can for explainers. The explainers are the explainer of the man and the explainer of the explainers provided by the large of the explainers provided by the explainers provided by the explainers provided by the explainers provided by the explainers and the explainers are possible as the explainers and the explainers are possible as provided in the explainers and the explainers are explained by the explainers and the explainers are explained as a considerable and t

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PROF. W. P. GRAHAM (Acting dean of L. C. Smith College Applied Science, who uphelds, agui Thomas A. Edison, cellege training

The suggester facility and produced by the suggester facility and the sugge

[ATTACHMENT/ENCLOSURE]

Weadoender

all hum been must have seen ouly a part of the villennical of the villennical of the valo Harmond of Brumalow of Brumalow of the character of the the Beautine of technical ville ville of technical ville vil

Schools. The National Federation of Musical Clubs December 29th 1911 Mr. Thomas a. Edison. new York. My dear Mr. Edison: -I am deeply interested in doing he best thing possible for my some education - he having a very unusual talens and devotion to work along the lines of Electricates a subject which I believe claim is yet in its infancy so ar as its possibilities are concerned. This lad is just entering sligh far as its Ochool, is finely developed physically and mentally and morally, is very ambitions - and has a most honorable and mandes disposition Is not afraid of work in faction devoted to it lar marks of success are nather limited - and yet it want to do the very best I can for him lowards helping to prepare

The National Federation of Musical Clubs

work for which he for the line of marked talent shows a most Is there a place where he could have practical experience in this work under right and pro guidance, receiving con honorable meeleds my pursue the necessary studies of a High School course for would you suggest the completion of the High Echool Course first Third non is exacted in most Technic Ichools for entrance - If he could only have the interest I some person who would give him the practical work I am some he would prove a most satisfactory underdiedy a protege and make good for there is not a lappline in this prature. Please kindly advice me if you can suggest any thing that might be practical. Russell is fifteen years of age

The National Federation of Musical Clubs

Find the production of production of the product

I wanted to say that you picture adone Russelli work beuch, and you are his idol-are you are for others all over the world prouver but I am cure you have no more loyal devotion that male the though intended in the important made that they into the an gor becellent recommend from it decement.

[ATTACHMENT/ENCLOSURE]

Should funch high sheal Council of them go To Mars Finitelities of Technology of you can offen at my boy is at that me the US, = If you cannot affen at the US, = If you cannot they age to me in the US, and the thing age at the Cooks of the grant Elico Cooks of the grant Elico Cooks of the grant Elico Cooks of the

Edison General File Series 1911. Electric Light (E-11-40)

This folder contains correspondence and other documents relating to electric lighting and power. Some of the items pertain to the technical and commercial development of Edison's alkaline storage battery, including its application as a power source for miners' lamps and its use in Edison's proposed "Country House Lighting System." There is also correspondence with Charles H. Coffin, Charles P. Steinmetz, and others that illustrates Edison's continuing involvement with the General Electric Co. Included are references to GE Edison Mazda lamps, visits by company officials to Edison's laboratory in West Orange, and the problems of high voltage electrical illumination. In addition, there are letters dealing with public relations at various electric light and power companies, along with reminiscences of Edison's early inventive work on electric lighting systems. The correspondents include longtime Edison associates Sigmund Bergmann, Etienne de Fodor, Samuel Insull, and Thomas Commerford Martin; author and dramatist Percy W. MacKaye; and representatives of the Philadelphia & Reading Coal and Iron Co.

Approximately 50 percent of the documents have been selected. The following categories of documents have not been selected: unsolicited promotional material; routine correspondence requesting Edison's advice, assistance, or attention on technical and commercial matters concerning electric light and its development.

is an a wring picture operator for yyears and i heard a long time ago if any man tookther invide twee of a elictric light bulb out uthout braking the but it was a reward on it so i took the inside tube out without braking the but or tube it is my our head works alone so it you wish To see it if you will pay the postage i will send it if you say so a soom as there from you arriver as soom as you cam i an waiting to how from you about it i heard burndred of people tryed it and said it could not be don without braking the but but i have

don it let me know if you want to see it answer warm grow truly Mc Ethanles H. Rosenstine 331 Congress street They post

No 2.

Selenetaly. 72. 4

J. a. Edison -: Jelegram roceity, many thanks

Aid not know Steinmetz had made

request

E. W. Rice Jr.

Postal Telegraph - Rable Bo Paid. Stermety

GENERAL ELECTRIC COMPANY

PRINCIPAL OFFICE
SCHENECTADY, N. Y.

In Reply Refer to

January 21, 1911.

Mr. W. H. Meadoworoft,

Orange, N.J.

My dear Mr. Meadoworoft:

When visiting Mr. Edison recently, Messrs. E.W.Rice, C. W. Stone and myself asked his advice and assistance in the problem of high voltage electrical insulation, and Mr. Edison kindly offered us, that we should send a man to his laboratory, who is familiar with the problem and could, with his assistance, study and try the various materials, with which Mr. Edison has experimented. Mr. Rice and myself believe that Mr. A. McK. Gifford. the chemist of our Pittsfield Works, would be best suited for this investigation, and I therefore desire to introduce Mr. Gifford to you, and should be much obliged for any assistance, which you can give him. I also desire to introduce my assistant, Mr. J.L.R.Hayden, who accompanies him. Mr. Hayden has been largely instrumental in developing the constant current mercury arc rectifier, which now is largely used in series arc circuits, and knowing your extensive experience with high vacua, from the early days of the X-rays, I expect you will have numerous interesting problems to discuss.

With very best regards,

Yours.

CPS-SW

Charles P Steinmetz

CHARLES P. STEINMEYZ, A. H. PH. D. WENDELL AVENUE SCHENEGTADY, NY

Mr. Thomas A. Edison, Orange, New Jersey. My assistant Mr. Hayden has just returned from

My dear Mr. Edison:

your laboratory and reported to me, and I desire to take this occasion to express my best thanks for the kind reception which you have given him and Mr. Gifford.

I expect to have Mr. Gifford return end of this week, and then to test the materials with high voltage alternating ourrent. In connection herewith, I would suggest, whether you could not spare Mr. Aylsworth for a day or so, as it would probably be good to have him present at the testing of the materials.

With very best regards,

Yours,

CPS-SW

Charles P. Steinmetz

IDEAS AND SUBSESTIONS

February March 1st, 1911.

Mr. Thomas A. Edison. Orange, N. J.

When in Washington yesterday, I found in the Bureau of Steam Engineering, a portable lantern which is used in considerable quantity by the Navy Department. It has an alkell herry using nickle and iron in potash solution. It is called the Hubbell Lamp, made by Portelec Safety Light Company, Newark, N. J. The entire apparatus sells for Twenty Dollars (\$29.00).

square rubbe jars, which are in turn held in a cust nickle case with cover sourced by thumb covers on the front there are two lamps side by side; incased in a tune about the lamps side by side; incased in a tune about the diameter with heavy jacas. The glad the about the by a number of rode secured to the cover as when not been charged since we of the glass contral axo, and gives an excellent light. ure of the gass, the one is aw has not been charged since ite receipt six months ago, and gives an excellent light. Sither lang can be switched in by turning the screw on the side of the lamp tube.

The entire outfit weighs about eix pounde.

I could not see the construction of the plates very well, but found the positive to be composed of perforated steel sheet container about 3/16" thick. It is separated from the iron plated by rubber rods, the same as we nee.

I understand a good many of them are being sold to minesetc. in addition to the Navy.

While I knew you would not be interested in producing such a lamp, I thought you might care to know that such a cell ie being made.

The principle weight of the outfit is the containing case or box for holding the celle, lampe stc.

Sincereby.

7 L So

THE EDISON ELECTRIC ILLUMINATING CO.
OF BOSTON.
General Offices, 39 Boylston Street.

Dear Sir:-

Boston, Mass., Marchell, 1911

Mr. Thomas A. Edison,

In writing up the history of the Eddson Company of

In writing up the instance, there was some question boston for our 25th Anniversary Souvenir there was some question brought up as to the exact equipment of our first station which started on February 20, 1888.

We thought possibly you would remember the details of this, and we would be very greatly indebted to you if you would eend ue your remembrance as to the types of dynamos, engines, boilers, etc., which were in operation at that time.

We shall take pleasure in sending you a copy of this number as soon as we have corrected same.

Yours very truly,

THE EDISON HATC. ILL. CO. OF BOSTON

Ву

ESM/EJM

Say I am new building sevent hands of super of the me superior of the country from my new of the me superior of the me of the HINERS LAMPS the Gattling to grate at contrary to one co the Gattling Experience Rections Coac a from function and going to text them preserved (hur 5/3/11 that Viving perfect them 14.1911 It seems when we moutals ucognize unusual development in others we are up to the Cean heavely upon his abilities to help no dust of our every difficulty. The with is no exception to This, but in the case he wishes As being to your notice, he has been persistently expirintins with all which would in flat falme, and con-Jam a mining engine secretly implayed by the Company whole stationary I we and finally in sland by the Secretary South asky having free tray and mind then any in furnance of my proposion, were during a great deal of my furnance with the state of my forming with the ist of my class with the usult that mining has dealyed into quite a science which the impending thinkage of coal demands. The have systems of minim by which every point forthe so to spent can be ground and every lives so get it with that bearns can con any The commonwealth has its inpresentation on The ground to in one inforcement of the laws to safe guard, the hors operations; but in here approach to perfection they leave behind one impartant factor. The most important of all

Rhode Island Coal Company.

Portsmouth, R. I., The quartion of light which has not advanced beyond he foul smoke impling oil touch that my grandfather med, and which awies so many minus to an early great with the duaded attema not only does it till the miner but it impus operation do a great expentespecially in the Thin veins which we have to usort to in when to Deput The output Between a narrow ganguag eight feet & fix feet high with four air envering and conducted it the with of many thousand en. It for minut and taking up but un considered out on of severy a lighty tacher (the fush air is, split so to allow no more than that number on each aplit his is us mind by law) and you are a him hige most of which to my mind can be averted. This state of affairs has not existed without consideration of with able one os Bolloin's Co of lengast a com fearing They have an accomplene animgenent is not very peached to earl min tely you excellent sire Them of evaloring because when the lamp is carried on the head it is ontrient to golds and shocks which sither the fine ash on the gas fiften and in a short time becomes coulded, while more of it lesks Through and block The Kny nipper wheriguististion tokes place, I'm unless a pier of the fines me so persually the lamp is well as

Rhode Island Coal Company. MINES OFFICE.

Portsmouth, R. I...

En cussions such as shots exchingual it and when
what you are in that a class or the
there are one chap objections, which show that the lamp own
original from a financial foot tople foot on the marget
of are being surpelly hatch
with out further your auts this subject without our request
I causedly appeal to you for the support of your years
of uppresence in the mast or and will gladly furnish
you with lamps, trucker, maps as any infamation to being
about tur long flot for and caping need

[lespectfully your

9. G

GENERAL ELECTRIC COMPANY
PRINCIPAL OFFICE
SCHENECTADY, N. Y.

In Reply Refer to

New York Office, 30 Church Street March 15, 1911

Mr. Thomas A. Edison,

Orange, N. J.

Tibe it 3 .

My dear Mr. Edison:-

I have been hoping to get out to Orange and see you, which I have long wanted to do, but every day brings a growd of duties, which has kept me in New York. The day after tomorrow I go South with my femily for a short time with the hope of restoring to health my wife and daughter, who have been quite ill.

I wanted to talk with you about incandescent lamps and particularly to explain that without my knowledge and altogether through inadvertence the name "Edison" had been omitted in propering the labels for the new tungsten lamp for which we have adopted the trade name "MAZDA". I was greatly surprised upon discovering this error. The omission will be immediately corrected, if you do not object. We want your name associated with our incandescent lamps of whatever style or name, and want to arrange to change all our labels and markings on the "MAZDA" lamps so that your name will hereafter be associated with this type as well as with all others of our manufacture.

I hope you are well and are not working too unwisely.

I have been sorry to hear that there is a doubt about your geting your usual trip South this year.

With best wishes,

Vows cordially vours.

CAC/SJS.

The Philadelphia & Reading Coal and Iron Company
Electrical Department
POTTSVILLE, PA... March 30, 1911.

several bottlems with lamps of eleftering thereby for the surpose of the surpose

Orange, H. J. help her try the State of the Gentlement

Will you kindly advice me if you are in a position to make up a conflicterage backery for use in connection with a mineral electric lamp, in cost minest we are at present using a small lead battery, which gives us two (2) candle power, at a veltage ranging from two (2) to 2.2 volts. Battery being a single cell.

We feel that if we could get a small storage cell to give us a three (5) or fout (4) candle power light. It would greatly add to the efficiency and safety of the minere'. The battery should be capable of supplying a lamp with full candle power for 12 hours to incure full light for complete days run. The battery should not weight ever 2-1/3 to 3 peumds. The battery should be made water proof to prevent electrolyte from running out when tipped to any angle by the miner when working.

- -- ----

The Battery to be arranged that it could be carried on the hip of the miner by his belt. It should also be constructed mechanismally that it will stabd a reasonable ascunt of knocking around without damaging, the battery termibals should be arranged to permit of easy attackment and detachment of the wire terminals leading to the Lamp; also in case of charging.

Will you kindly advise me your views for making up such a battery, and oblige,

Yours truly,

Denny

The Philadelphia & Reading Coal and Iron Company

April 11, 1911.

...a & Reading Coal a
POTTSVILLE, PA. MCT; Edison's Mineral Lamp Outfits.

Mr. Tos. 4. Haison, Edison Laboratory,

Dear Sirt-

answer of the y

I be to acknowledge receipt or your plan as well letter dated April 8th and note that you are now constructing at your laboratory various kinds of batteries with lamps for the purpose of ex N. F. mentage in a practical manner to dots mains what the state of a minormal to meet the requirements of a minormal lamp.

in trying out in the mines any experiment you request of us as I am of the oginion that an electric light is the safeast light we can put into the hands of any man or boy working underground,

It will eliminate the smoke of the open oil lamp they now breathe.

It will doubtless eliminate a great number of fires now caused by the open flame lamp.

It will eliminate the small gau ignitions which are the cause of so many miners being burned!

questioning the advances made in the lighting art in the way of allumination on the surfaxoe, and practically nothing done to advance the minors lump where it is really needed There is no doubt in my might but what there is a large field for such an Magtric Lamp Quefit.

I progume you are fimiliar with the manner in which the miner wears his lamp in that it is secured to his cap

We have been conducting some experiments with a load buttery on a 2 c/p. lamp at 2 yelts, and have now in use a few hundred, but 2 c.p. is hardly outficient light.

The manner in Anich we are now using the outfit is as follows:-

4-11-11. Mr. T. A. E.

The battory is carried on the miners helt around the waist, and the lamp ami reflector is attached to the miners cap, a flexible cord makes the connection between the lamp and battery. I will await your rosults with much interest, trusting you will have something to offer in the near future, and any information you desire from us please command.

Yours very truly,

L'Accession Engineer.

JTJ:J/S.

Miners Lyaps

mines.

Lile Small lamps

The Philadelphia & Reading Coal & Iron Company.

Office of Vice President & General Manager,

Pottsville, Pa. April 14th, 1911.

Mr. Thomas A. Edicon,

3 men at west.

Orange, New Jersey.

My dear Sir:-Yours of the 8th Inetant to Mr. J. T. Jenninge,

al Engineer of this Company, received as function I am very much pleased to have advice, as per your letter, that you are working on batteries and lampe suitable for the work we have in hand. We have now about 200 lamps in use in our minee and feel that if it will be possible to so perfect & battery and lamp that it will come into general use in the coal (minee, displacing what is now known as the "naked" light. The onee we have in service, though crude, are being received well by the man, and we are intensely interested in having the lamps thoroughly developed and put on such a plane that they can be permanently used in the

Appreciating very much your interest in this matter, and awaiting further advice, I am

Yours truly,

n.Mulmos

Vice President & General Manager.

GENERAL ELECTRIC COMPANY

In Reply Refer to

Mr. Thomas A. Edison. W. Orange, N. J.

Dear Sir:-

of Control of the second control of the seco

When I visited your laboratory last week in company with Mr. Morrison and Mr. VonSiemens, you asked me to make one 1.2 volts tungsten lamps. I have made up a few samples which look rather interesting and am making up some more of the for a little higher candle power and amperes.

Will you please advise me what ampero lamp you would like to use on your battery and we will make up other samples if the ones which I have begun are not according to your wishes.

I will have some samples in two days and will bring thom sonally, will you please advise me with whom I shall take this matter up.

I beg to remain,

WRB/S

51, Lt - History

ARTHUR WILLIAMS FIFTY-FIVE DUANE STREET EW YORK

am 5/23/11

Orange New Jersey

Thomas A Edison Esq Llewellyn Park Deer I'r Edison

For the approaching Convention of the Voto Oity From Hay 29th ... Which is Por the approaching convention of the wards and the mational Electric Light Association, which is to be held in this oldy from lawy must alway and and any ears of preparing a small but 10 m Thirty-Down Years of green Service. It is need thought it would be well to include so of the bound to the barroors who as and behind the Company at the barroors who as not behind the Company at the baginning. I believe they include J Pierpont Morgan & Company, Spancer Treak & Company, Honry Villard, P S Smithers & Company and perhaps some others.

You, or course, are the best authority out. Would it be possible to prepare a on this subject. Would it be possible to propers a short statement, if you will permit, appearing over your own name, as an introduction to material that will follow?

""" are expecting a record-breaking attendance, of perhaps 4000 or 5000 delegates. Cantyou come over for the Public Policy meeting, which will be hold in the New Theatre on Wednesday evening, May 31st. Mr Insull is to present the report and the Hon Charles Ragel, Secretary of Commerce and Labor, is to make the principal eddress, representing President Taft. In any event I shall reserve a box in the hope that you will be there. It is the kind of occasion which I think Mrs Edison would also greatly enjoy.

A copy of the report is enclosed.

Sincerely yours

Enclosure

Fodor, Etienne de

Budapester Allgemeine Elektrizitäts Aktiengesellschaft:

Budapest, May 19th, 1911

Mr. Thomas A. Edison,

Edison Laboratory,

East Orange, N.J.

JUN 1- 19/1

My dear Mr.Edison:-

As an old Edison man that assisted Mr. Bachlelor at the Paris Exhibition in 1881; and as an enginer that was connected with the Prench Edison Co.for 15 years, doing its pioneer work, and who laid down the first Edison three-wire system in Europe, as such - I take pleasure in sending you under seperate registered cover a copy of my latest work which has just appeared, and which treats upon Refuse Destruction in combination with central stations.

Trusting that this letter reaches you enjoying

good health, I remain,

Yours very truly

Clienre de Fodot

[ATTACHMENT/ENCLOSURE]

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[ATTACHMENT/ENCLOSURE]

Park andrewall

CADLE ADDRESS ... IZO WEST ADDRESS STREET, CHICAGO.ILL IZO WEST ADDRESS STREET, CHICA

you cannot could entropy of the Shipago, May 25th, 1911.

Thomas A. Edison, Esq.,

o/o Edicon Laboratory, Orange, New Jeresy.

My dear Edison:-

Your letter of the 19th came to hand whilst I was laid up a week in bed. I will be in New York next week to attend the Intional Electric Light Convention. If I get a chance to go cut to eee you during my stey there, I will be delighted to do so, and will telephone out to eee if you are home.

Youre sincerely,

Lannel Jusici S

thirty years ago. at 44 Browsing an Juin of Decker Stonew VG. I bought from Gen. M.S. Corres Color con their Mares of the Edison Electric Fisht Co of Europe, Lanited, paying

him part for the same. The confects of street was loved, and I have just found it smoon some old papers. I see that CR lating to was december our you was Designed My offect in overting is to ascertain of move has any value? I see story of most for the strength MANIleaned.

White respectful MANIleaned.



N PA New York June 1-1911

93 X

21005

11 · NY

· Thos A Edison, Esq Edison Laboratory As forthe greatest possible favor and kindness to me and the five As Withe greatest possible favor and kindness to me and the five thousand people at our conventions Will you not come over at lunch the and be will not too (ifteen this aftermoon for just ten kind as the will not good infaintely coffin is coming and the limit at all your old boys ask it of you if only to see how the will your old boys ask it of you if only to see how the will now you made is our bright touch of progress for the whole art. Wire me "You " and hour of train so that we can look out for you.

IOO4AM

POSTAL TELEGRAPH - COMMERCIAL CABLES TELEGRAM TELEGRAM

To y C Markin	na. rehipset to the ferma and conditions princed on the bank hereof, which go absorber assessing to the ferma and conditions princed on the bank hereof. Which go absorber assessing to the condition of the bank hereof. The condition is the condition of the bank hereof. The bank
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Will Kea	ne Opang on leglet
Munites aft	and one train Lackway
Triumine	
141	- John -
	

Schenectady My.

Thos. a. Edward

ban I see you on business mater

for General Electric less Juday or Saturday If not

well you kindly name larliest date Convenient

MS. Andrews

M. S. Andrews

Go Skurral Electric bo
Schenectaly My.

Mill see you Friday

Those a Edian

John 116 191

New York rapers of a light weight battery of yours. Some years ago Vapproached you with a view of indicino you to make you declined I am now selling a lead battury with gelatinus decholyte as a mine lang but have no confidence in it; d'unité le ask if you would now enter into the more lauf There is a good defound for an electric lauf both here & in England! Of must not weigh more than 5 lbs 4 should run a 2 volt . 75. compere tringsten lamp for 12 hours. sich a laup of can get \$10 % can

" soon as it is tested sell at least 5000 per ann I another salesman civila sell a similar Of you are open to make up no mines lamp bould call & take the matter over with you of can give you any references you may device I have been in the beauces know the mine duperintendento personally youspuly Ellenhee Or o bruson

27 Thames dl New York 14 July 1911 Thomas a Edesen li, Dear Sir of the 12" ins. Of you othered wish to see the lamp of am selling, of can come to Orange any day this month before. the 29" when Greturn to Perma Mulue Pobusor

POST OFFICE: WINDSOR, VERMONT,

14 July, 1911.

Thomas Edison Esq.

West Orange, NewJersey.

My dear Mr. Edison:

I am writing a brief memoir of my father, the late Steele MacKaye, for publication.

In it I wish to touch upon his inventions.

Prom my friend oriendo Rouland, the portrait painter, I have heard that, while examining the mechanical processes of the lighting effects [behind the scenes] at the Hippdorme, NewTork, you commented upon those in felation to the theatrical inventions of steale MacKaye.

Your comments - if you would feel like sending them to me Briefly in a letter - would be very valuable to his memory, and would be heartly cherished by all his family.

Many of the Hippodrome processes for light-effects were taken directly from the working model of my father's Spectatorium in Ohlosgo, after the premature failure of that enterprise and my father's death.

No recognition of this has ever been made.

The tragic catastrophes of his career have left its important significances quite unrecorded until now. In my Memoir, I shall try to give some record of such, though tardy and scane, in justice to his memory.

If you will kindly send me any comment of yours upon his inventions, or inventive faculty [with permission to quote for my Mesoir], I shall deeply appreciate your courtesy.

· Sincerely yours -

Percy Brackage

E. L. - Companies

THE EDISON ELECTRIC ILLUMINATING Co. OF BOSTON.

OFFICE OF THE PRESIDENT, TO STATE STREET. JUL 18 111

CHARLES I. EDGAR. PRESIDENT.

Boston. July 17, 1911,

Thomas A. Edison, Esq.,

Orange, N. J.

My dear Mr. Edison,-

I am in receipt of your letter of the 15th and have taken occasion to cable Mr. Muller that you are going over. I hope that you will look him up, as I think your interests are mutual.

Youre very truly,

6 K. Eiyan President.

CLE/H.

The

Mr. Thomas A. Edison,

Llewellyn Park,

Mr. John R. Markle, 3710

Ave., Chicago, has given your name as re Mr. Markle has approached us

an invention of his, which he believes profitable to our business. We would to hear from you in regard to Mr. Markle and skill as an electrical engineer and inventor, and whatever other points regarding him you think would be of value to us. Your reply will be held in strictest confidence.

Yours very truly,

THE BORLAND-GRANNIS COMPANY



S IO EAST HURON JT

ophone Dearborn 96

HICAGO

After August 1, 1911, the corporate name of this company will be

Sept. 11, 1911

Laboratory of Thomas A. Edison,

SEP 13 1911

Orange, N. J.

Gentlemen: -

We beg to thank you for your kind favor of the 9th inst., by Mr. H. F. Miller, advising of the absence of Mr. Edison, but that you will bring the ratter to his attention upon his return in October.

Thanking you for your trouble in the matter, we are,

Yours very truly,

Č.T.

THE BORLAND-GRANNIS COMPANY

Vice-President Gann

THE EDISON & SWAN UNITED ELECTRIC LIGHT COMPANY,

LIMITED.

DIRECTORS.

HENRY WOLFENDEN, Chairman.

E. B. ELLICE-CLARK.

EUSTACE C. QUILTER.

WM. MURRAY.

TWENTY-EIGHTH ANNUAL REPORT.

FOR THE BUSINESS YEAR ENDING 30TH JUNE, 1911.

1.—The Directors submit horewith the Report and Accounts for the year ending 30th June, 1911.

 The Net Revenue Account shows that the sum of £49,153 13s. 5d. has been brought forward from Profit and Loss Account.

3.—Interest on Debenture Stocks has absorbed £15,701 16s. od.; £5,500 os. od. has been set aside as Depreciation on Freehold and Leasehold Property, Plant, and Tools; £7,500 os. od. has been applied in writing down values of stocks, and the sum of £1,138 13s. 7d. has been reserved on account of Bad and Doubtful Debts.

4.—The result as shown in the Net Revenue Account is a Credit Balance of £19,013, 3s. tod., to which must be added the sum of £6,813, 3s. 8d., brought forward from the previous year, thus making a total of £25,856,7s. 6d. of this amount the Directors propose to place £17,500 to Reserve Fund, carrying forward the Balance £8,356, 7s. 6d.

5.—Cost of establishing the Business, Goodwill, &c., £390,432 8s. 1d., has been brought forward at the figure standing in the last Balance Sheet.

The Freehold and Leasehold Property and Plant have also been brought forward at the value stated in the last Balance Sheet, with the addition of the amount expended to 30th June, 1911, less Depreciation charged in Net Revenue Account.

6.—The Shares of the Altrincham Electric Supply, Limited, have been taken at par, as in previous years. This concern continues to progress, and has paid the usual Dividend on its Shares of seven per cent for the year ended 31st December, 1910. Its indebtedness to this Company has been reduced during the year by £328 10s. 10d.

7.—There has been expended on Capital during the year ending 30th June, 1911, 15,361 8s. 11d., mainly on account of Plant in connection with the manufacture of Metal Filament Lamps.

S.—The Trading since the close of the financial year on the 30th June last shows satisfactory progress.

9.-Mr. H. Wolfenden retires in rotation and offers himself for re-election.

10.—Messrs. Welton, Jones & Co., the Auditors, offer themselves for re-election.

By order of the Board,

H. CHARLES, GOVER,

Secretary.

Ediswan Buildings.

36 & 37, QUEEN STREET, LONDON, E.C. 23rd October, 1911.

The Edison & Swan United Electric Light Company, Limited.

Dr.	NET REVI	ENUE ACCO	UNT, 30th JUNE, 1911.	Cr.
To Delegature Interest 47. First Delegature Entered 5. Second Depreciation:— On Precioid and Plant on it Secola Reserve ou Acc Deshiful Delegature	ature Stock 12,816 5,886 d Leaschold Property 1,500 Pools 4,000 7,500 7,500 12,817	s. d. 2 s. d. 5 0 0 15,701 10 0 3 0 0 10,001 10 1,489 18 7 19,013 5 10 19,155 18 5	By Jakanes brought from Profit and Less Accounts	2 s. d. 40,168 13 8
pidd a Star 29,261 A Star 29,261 D Star paid	ies, G. S. cach, fully see, G. S. cach, II paid 257, res, S. cach, II paid 257, res, S. cach, III paid 257, res, S	i.d. 2 s.d.	Py cick of platibility the linearies, as yet her histories fluor the company of the linearies of the lineari	9 4
		\$850,883 16 1	·	CHG0,883 16 1

H. WOLFENDEN

E. B. ELLICE-CLARK

Auditors.

L'Addition De Grant special des Australias Busileurs neue loop rando up to Sinz Merch, 1911, and the book values of the Australias Busileurs neue loop rando up to Sinz Merch, 1911, and the book values of the Australias Dadition of the Company of the Australias Dadition of the Company of the Australias Dadition of the

and October, 1911.

We have multied the phave Baisses Short and, bother assumed the Bodes of the Company and phatesial all the black of the Company and phatesial and any analysis of the Company of the Company of the Bodes of the Company of the Bodes of the Bodes of the Company of the Bodes of the Company of the Bodes of the Bodes of the Bodes of the Bodes of the Company of the Bodes of

THE EDISON & SWAN UNITED ELEGTRIC LIGHT COMPANY, LIMITED.

TWENTY-EIGHTH ANNUAL REPORT AND ACCOUNTS,

For the Year ending 30th June, 1911.

NOTICE IS HEREBY GIVEN that the Twenty-eighth Ordinary General Meeting of the Shareholders will be held at Winchester Hours, Old Broad Street, Landon, K.C., on Thursday, the Second day of November, 1911, at 12 o'clorid moon, to transact the Ordinary Business of the Company.

By order of the Board,
II. CHARLES GOVER
Secretors.

EDISWAN BUILDINGS, 26 & 37, QUIEN STREET, LONBOR, E.C. 23rd October, 1911.

PLEASE KINDLY RETURN THIS PROXY AT ONCE.

PROXY.

The Edison & Fwan United Cleatric Light Company, Limited.



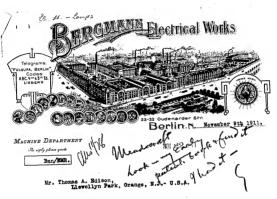
111111111111111111111111111111111111111
Of contract of the second of t
in the county ofbeing a Member
of the Edison & Swan United Electric Light Company, Limited,
hereby appoint Henry Wolfenden, Esq., or failing him, Edward Baudouin
ELLICE-CLARK, Esq., or failing him, WILLIAM MURRAY, Esq., or failing him,
EUSTACE QUILTER, Esq., (being likewise Members of the Company), as my
proxy to vote for me and on my behalf at the Ordinary General Meeting of
the Company, to be held on Thursday, the second day of November, 1911,
and at any adjournment thereof.
r

As witness my hand this day of October, 1911.

Signature

This Proxy must be received at the Company's Office, 36 & 37, Queen Street, London, E.C. not later than 12 o'clock noon on Tuesday, 31st October, 1911.

FOLD, BUT DO NOT FASTEN THE PAPER.



My dear Edison:-

We are now making great progress in the development of drawn wire tungsten lamps, Upon investigating the patent situation, however, we have come across a patent from Siemens, which covers the euspension of a long metal wire from a hook. We have overcome the patent protecting this hook arrangement very nicely with our constructions, but I fear that we are infringing upon the comparative length of the wire.

As you well know the squirted filaments were made in hair pin shape and then attached to the fire different supports. As a general rule four, five or six of these hairpin-shaped squirted filaments were used for one lamp, but now with the drawn wire, the filement for one lamp is made in one length of wire, wound over the supports.

Mr. Thomas A. Edison.

- 2 -

11.9.11.

Now I wish to ask you if you have not, in your early developments of the Platin-Yrridium lamps used a certain length of wire. I remember that the Platin-Yrridiumwas, at that time, used in spiral forms, i. e. that only one complete metal wire of a certain length was used in your platinum lamp.

Will it be possible for you to send me your data of your early experiments along that line, or can you perhaps tell me of some book or magazine, in which it can find any articles, dealing with this bubject, if such be in existence?

I very much fear that Siemess will attack us, on account of using a metal wire of greater length than the hairpin shape, and the particulars requested above would be of the greatest value to us, when they commence attacking us on that point, At any rate, any information you sould give me, regarding wire lamps would be of the greatest halp to mp.

If you could pessibly find a sample of this platinum spiral lamp in your laboratories, we could make splendid use of same, but I presume that all the models and other cridences of your early experiments have been discarded. If you could, however, let me have a drawing and some literature on this subject, it will assist us yer; materially.

Please give this matter your kind consideration and let me have all the data, etc., possible by return of mail.

With best thanks in advance for your kind assistance, I am

Ruguisin.

E. H. Kumps

Hov. 11th, 1911

Mr. John W. Howell, General Electric Co., Harrison, M. J.

Dear Mr. Howell:-

I have a plan in mind for using a large number of 30 voit 16 candle power lamps of the Madda type in standard bulbs, and want to accortain what the average life void be not 1, 14 and 15 watts per candle. Can you let me have this information by return mail? I am anxious to use it at once.

If you can give me the same information in

regard to 12 volt 12 candle power, I shall be obliged.
Possibly this latter data may not be quickly available, so you can send it later.

Yours very truly,

GENERAL ELECTRIC COMPANY LAMP WORKS

Mr. Thomas A. Edison,

Orange, N. J.

HARRISON, N. J. HOV. 13, 138

Doar Mr. Edison:-

A 30 volt. 16 C.P. lamp of the Magda Type about which you enquire would give an average life of about 300 hours at 1.0 W.p.C.; at 1-1/4 W.p.C., about 1300 hours, and at 1-1/2 W.p.C., about 4,000 hours.

We have no data on 12 volt, 12 C.P. lamps, or lamps very near teat. I think, however, that these lamps will be nearly as good as the 30 volt, 16 C.P. lamps, but not quite.

JWH/FB

Yours vory truly,

M. Howell

Engineer, Lamp Worke.

EL, LIGHT

November 16th, 1911.

Mr. Edison .-

American Addressing and Mailing Company not being able to suggests the isolated countries of the post-office that the countries of the post-office that we want to be a countries of the post-office delivery, atthough there are, of course, a great hany of the on the outskirts of cities and towns, which are served by the regular mail carrier.

I am writing to the company, suggesting that they segregate by post office address.

M. R. H.

November 17th, 1911.

Mr. Edison,-

a cut or photograph of a lighting plant for suburban regidences, that is guited for illustration in the folder we have prepared.

Hartford to send a photographer to Deal Banch to photograph is plant i upan leaves this morning, and will have the negatives designed and printed by tome to those designed and printed by tome this negatives as then get in the public of the property of the printed and term, and I don't think we will be lesing any time.

H. R. H.

PLICTRIC LIGHT

November 17, 1911.

Mr. Edison,-

a cut or photograph of a lighting plant for suburban residences, that is suited for illustration in the foler we have prepared.

F.L. LICHT

November 17th, 1911.

Mr. Edison,-

Bob and I have arranged to see that house in Fontclair that we are going to wire up and equip for house lighting, tenerrow, Saturday afternoon at 3 chanck.

Do you want to go?

н. в. н.

1116 Frends

GENERAL ELECTRIC COMPANY

PRINCIPAL OFFICE SCHENECTADY, N. Y.

Uhrefy

In Reply Refer to

Hovember 17, 1911

Thos. A. Edison, Esq.,

Audreno = Dontains religio

Orange, N. J. have one affect = 2 am gon Dear Mr. Edison: that works fine = 2 am gon

I have just returned from a two month's trip to

Europe and this will explain why you have not heard from the me relative to the "reoffict" whole promised to supply you. If you would still like to have to, lease let me know, and I will get it packed and shipped without any

further delay. This dent apply to you person,
We did not find it necessary to use those old
notes of yours, on alternating current, but are just as
much obliged to you all the same for the kind permission

you gave us to do so.

Very truly yours,

WSA/LH

toner ---

<

MINERS LAMP IN CASES

	2-1b. Cans		10-1b.	10-1b, Cans	
	Single-Case	Ten Case	Single-Case	Ten-Case	
Whitehall, N. Y. Utioa, N. Y.	\$3.60	\$3.12			
Ution, N. Y.	3,60	3.12			
Soranton, Pa.	3,60	3.12			
Harrisburg, Pa.	3,60	3,12		A	
Beaver, Pa.	3,60	3,12	\$3.90	\$3.45	
Johnston, Pa.	3,60	3.12			
Johnston, Pa. Du Bois, Pa. Jersey City, N. J.	3,60	3,12			
Jersey City, N. J.	3.60	3.12	3,90	3,45	
	3,60	3.12			
Washington, D. C. Lynchburg, Va. Chicago, Ill. Toledo, Ohio.	3,60	3.12			
Lynchburg, Va.	3.60	3,12	3.90	3.45	
Chioseo, Ill.	3.60	3.12			
Toledo, Ohio.	3.60	3,12			
	3.60	3.12		7.45	
Zanesville, Ohio. Golumbus, Ohio.	3.60	3,12	3.90	3.45	
Columbus, Ohio.	3,60	3.12			
Dayton, Ohio.	3.60	3,12			
Cincinnati, Ohio.	3,60	3.12			
	3,60	3.12			
Indianapolis, Ind. Terre Haute, Ind. Louisville, Ky.	3,60	3.12			
Terre Haute, Ind.	3.60	3.12			
Louisville, Ky.	3.60	3,12		7 45	
Chattanooga, Tenn.	3,60	3,12	3.90	3.45	
Fargo, N. D.	3,60	3.12	3,90	3.45	
Fargo, N. D. Minneapolis, Minn.	3,60	3.12	- 00	3.45	
Tron Mountain, Mich.	3.60	3.12	3.90	0.40	
Madison, Wis.	3.50	3.12			
Madison, Wis. Dubuque, Ia. Decatur, Ill. Quincy, Ill.	3,60	3.12			
Decatur, Ill.	3.60	3.12	•		
Quincy, Ill.	3.60	3.12			
	3.60	3.12			
	3.60	3,12			
Ottomwo Them.	3,60	3,12			
Sioux City, Iowa.	3.60	3,12			
Omaha. Nebr.	3.60	3,12			
Sioux City, Iowa. Omaha, Nebr. East St. Louis, Ill.	3,60	3,12			
St. Joseph, Mo.		3.12			
Kansas City, Mo.	3.60	3,12			
Wichita, Kans.	3.72	3.24			
Wichita, Kans. Oklahoma City, Okla.	3,72	3.24			
Montgomery, Ala.	3.72	3.24			
New Orleans, La.	3.72	3.24			
Dalles Teres.	3.72	3.24			
Houston Texas.	3.72	3.24			
Houston, Texas. El Paso, Texas. Denver, Colo. Salt Lake City, Utal	3.84	3.36		3 00	
Denver Colo.	3.96	3.48	4.35	3.90	
Solt Take City, Utal	4.32	3.84			
	4.20	3.70			
Portland, Ore.	4.20	3.70		4 00	
Senttle Wash.	4.20	3.70	4.65	4.20	
Portland, Ore. Seattle, Wash. Spokane, Wash.	4.20	3.70			
Saoramento, Cal.	4.20	3.70			

Torgrams
Fucusing Brain
Act. "193" In 1931

23-33 Outenarder Sr.

Berlin N. Dec. 15. th. 1911.

Machine Department

Na reply please quale

But Fift

I think you are mestaken when you say that the

Mr. Thomas A. Edison, Llswsllyn Park, Orangs, N.J., W. S. A.

My dear Edison:-

Patent do of hungany the

have immediately had a study made of your two dastions patents.

I regret to say, however, that these two patents are of no assisty,
-anos to us in the matter we are investigating.

Patent No. 2727 describes the winding of the filament in a coil. Although in 746. 5 of Patent No. 214537, the filament is shown in a signag shape, this does not indicate how the fixament is secured and how the supports are constructed.

In the form we are seeking, the undivided filament in one which is embedied in the Lamp itself and in deposit of the way greatful if you would kindly give this matter your further consideration, from this point of vise.

a potent in the Continue would defeat any claim for the tungeton Lein Method ceff hanging

4

[ATTACHMENT/ENCLOSURE]





COMMERCIAL CABLES

27 NY N 22

AD Boston Mass Dec 29-11

Thos A Edison Laboratory Brange NJ.

to see you few minutes about electric light plant .

Edison General File Series 1911, Employment (E-11-41)

This folder contains correspondence from or about employees and prospective employees. There are also letters soliciting Edison's opinion regarding former employees seeking positions elsewhere. Most of the correspondence relates to employment requests for the West Orange laboratory, some in answer to newspaper advertisements. The correspondents include industrialists Alfred I. DuPont and Samuel Insul, as well as laboratory employees Selden G. Warner and William W. Dinwiddie, who were offered positions in 1911. Other employees mentioned in the documents include Maurice E. Foxin Russia, chemist Ignacy Goldstein, and Goldstein's assistant Dr. G. Rosenstein.

Approximately 25 percent of the documents have been selected. The selected items are primarily letters by Edison and incoming correspondence bearing substantive Edison marginalia.

E.L.PHILLIPS & CO. ENGINEERS HUDSON TERHINAL BO CHURCH STREET NEW YORK

January 25th, 1911.

Mr. E. H. Philips, Munagor,

Credit Manager,

Edison Storage Battery Co., Orange, E.J.

Donr Sir:-

Referring to your letter of January 24th regarding Mr. Harry A. Corbett, beg to say that I have known Mr. Corbett for about five years.

I believe that he is a man who will absolutely keep his word. I have found him a very responsible man in the dealings I have had with him.

Vory truly your

ELP: EL

E.L.PHILLIPS & CO. ENGINEERS HUDSON TERMINAL BO CHURCH STREET NEW YORK

Jenuary 25th, 1910.

Mr. D. H. Philips, Monagor,

Credit Dopartment,

Edison Storage Battery Co., Orango, N.J.

Doar Sir:-

Referring to your letter of January 24th regarding Mr. P. C. Tryon, beg to say that I have known Mr. Tryon for some ten years, and believe that he will carry out any arrangement which he makes with you.

Ho has had a long business experience in New York. I first know him in connection with the Nectinghouse Church Kerr Co., where he was office manager. I believe you will find him O.K.

yory truly yours,

E. Z. Flishing r

ELP:EL

V. II. Danmerich & Co.

CNEEL OF 19

CABLES: ELEFOOM, NEW YORK.

Credit Office

Mens Dock,

JAN 26 191

The Edison Storage Battery Co.,

Orange, N.J.

Gentlemen:

In reply to your inquiry of the 24th inst., we wish to stats that we think very highly of the party mentioned, the account running to 05,000 on short terms, his own option and all bills are met promptly at motority.

Yours very truly

L. A. DOMMERICH SCO.

WHC-IL-111

reart & goe

HENRY W. T. MALI & CO., 73 FIFTH AVENUE N. E. COR. 16TH STREET.

New York, Jan. 26, 1911.

Mr. E.H. Philips,

Edison Storage Battery Co., Orange . N.J.

Dear Sir:

Replying to yours of the 24th beg to say that we have known and dealt with Mr. Albert S. Coldstein for five or six years. We think very highly of him personally; believe him to be responsible to the extent of probably \$20,000. We have sold him during this period at times quite freely; he has owed us \$8,000.; he has paid strictly prompt?

Very truly yours,

P.C./G

HENRY W.E. MALI & CO.

```
GOLDSTEIN ALBERT S. -----Nen's Clothing------NEW YORK CITY.
 Albert A. Goldstein, age 39; married.
                                                                                                               (Manhattan)
                                                                                               10-12-14 E. 12th Street
                On November 15, 1909 at this address he confirmed above details
    and stated to our reporter that there was no material change in the
   business since statement of January 1, 1909 at which time he claimed
"Financial condition January 1, 1909:-
   "Machinery and fixtures----- 1,000.00
   Loans
                                                                                     308.00
   "Overpaid commission-----
                                                                                     147.63
                                                                                       "Unexpired insurance-----
                                      LIABILITIES.
    "Open account for merchandise----- 3,935.28
   "Relatives----- 2,060.00
   mg.....
               Bills not passed-----
  He came from Saltinore, MA, about 1904 where he was employed by a proliment firm in the wholeself clothing business and when he was not into partnership with S. E. Phillips moduling the best of the Year work into partnership with S. E. Phillips moduling the state of the partnership with S. E. Phillips and when he was the state of the state o
                TRADE OPINIONS:-Five houses interviewed credit him from $800
   to $4,000 on thirty days and four months terms and payments are an-
   ticipated.
                                                  1
                                                                20
                                                                                                         November 16, 1909,
   In response to request for statement he gave above personal details and submitted the following dated January 18, 1910 received by
   mil January 19, 1910:-
"The following is a statement of my financial condition as it "appeared December 8, 1999, as per inventory:-
   ASSETS.
"Merchandisc $13,860.01 less 10% for depreciation--$12,474.01
   "Advanced commissions-----
                LIABILITIES
    "On open account for merchandise ---- $-1769.13
   "Stock fully covered at all times by insurance.
```

(Signed) Albert S. Goldstein."

103--1-26-11--Con.

GOLDSTEIN ALBERT S. -----Continued (2)------NEW YORK CITY.

He is believed to be transfeting an active business under light expense. Is personally well reparted and allowing for deprediction is estimated over \$20,000. TRADN OPINIONSI-Seven houses interviewed credit him from \$500 to \$1,000 and one house up to \$5,000 on sixty days and four months,

and payments are anticipated as a rule.

February 12, 1910.

Fe is believed transacting an active business under woderate expense. Is well regarded personally and estimated worth \$20,000. TABE OPINIONS. Might houses interviewed credit him from \$500 to \$5,000 on sixty days and four months and payments are prompt to fairly prompt.

2-----September 1, 1910.

Please note !! NAME, BUSINESS and ADDRESS correspond with your inquiry. At this is weather a commenced to be thing ---- while thin The

As a gal a reas Se, accided rud accord buddens on one account as a permetrial to a three of the Richards 60, accided rud accorded buddens of the contract of t the large section is the monatorin course in the control in the co The set to this work of the set of a cost organic of the set of a cost organic of the set of a cost organic of the set of a cost of the set of a cost of the set of a cost of the set of th 210,225.00 216,300.00 AGRATE: 9680. Ontstant accounts, 10 ... More land insurance, etc. . 0,300.74 1.000.00 A23.18 357,650.13 Total LIABILITIES: apromissio on hand, (3,935.22; in transit . 55,661.78 96,725-6/g · · · · 2,050.00 Borrovod Loney 412,20 For manage burling, nov dus, Never burned out. Do not borrow on accounts receivable. On Stock, Aki, 500; on fixtures di,000; burglary insurance, US,000. he stands woll and does not test his credit, buying largely at

ida om option on elert time: he carries a satisfactory bank account and selaca pake favore. (F 3)

and selaom aske favore.

Please note if NAME, BUSINESS and ADDRESS correspond with your inquiry.

ALBERT S. GOLDSTEIN ------ Wfr. Clothing. ----- NEW YORK CITY. Dec. 29, 1910., ----- 10/12 E. 12th St., Under date of Yon. 3, 1910, they submitted the following signed state:ent as from inventory of Dec. 4, 1909: ASSETS: -

Merchandise at depreciated cost \$13,860.01; extra depreciation \$1,386. \$12,474.01 10,217.45 Outstanding accounts, new, Outstanding accounts over one years, 715.00 1,000.00 Meschinery and fixtures, Advanced commission and cash on hand, 475.00 712.91 Cash in bank.

LIABILITIES: -For merchandise on hand \$1,769.13; in transit \$2,624.67 \$855-54 2,000.00 Losn from brother, 263-15 For menufacturing, not due,

Never burned out. Insurance on stock, \$14,000. Or Jan. 2,1909, he claimed a responsibility of \$21,721 over listities of \$11,125. In common with many in thise line, he is not believed to have Surplus.

added snything of moment to capital during the past year- he has been sold by some representative houses, in a few instances on short time this own criton. His sverige purchases range from a few hundred dollars to shout \$5,500 and payments are reported as astisfactory.



35-1-30-11--Prim . TRYOR FRANK C Age 65, married.

NEW YORK CITY (Manhattan) 50 Church St. Hudson Terminal Bldg.

May 10,1910 at this palarens he give our reporter above personal detains and attendance of the personal detains a secondary of the personal details and the personal detail

He acts as a gas fixinor as ctated shows, he gained experiously and was well spaced of the stated he was in the W, tumber outlesses in the W, tumber of the stated he was the stated of the stated of

Maledo ohios Dear friend the disor i often think of you since i Blowd your first bulls when you wer greenund an lann

Thomasion, 9.7.

EDISON BUILDING
MANS STREET, CHICAGO, ILLINOIS
Morch 20, 1911.

Thomas A. Edison, Esq.,

C/O Edison's Laboratory,

Orange, N.J.

Mus 3 73/11

My Dear Edison:

My friends in the National City Dank of New York have asked me to find out from you about the ability, trustworthiness, character and standing of Nr. Alfred J. Thompson, who was in your employ four and one half years as metallurgist, and also his skill and scientific knowledge as a metal export. So as to eave you trouble I enumerate the items which they want me to get information on as follows:

First: As to his all-around character, whether he is a good square reliable man and one that it would be all right for me or for the people in the National City Bank of New York to be associated with in a business deal of some magnitude.

Second: Whether his representations in respect of matters of business can be depended upon, not only as to his truthfulness, but as to his ability to determine the practical features of a business proposition.

Third: What do you think of his skill and ocientific knowledge as a metal expert?

If you can answer these questions you will put me under obligation.

Young Thompson was a mucker at the lab many years ago he was with Kennelly - He was anglit but alexagor appeared to mez as " too smouth" I have not known as his Lowing & sense he left = He is a Nepheen & Geleen of Joe Clareke who I chunk you reamender as recented with about Pecliffer in starting the House Mel fores of eolo is about publicating them for the Atandand cel Colling unprusing only) is that you about delivert gate Thompson pretty Thoroughly

"INSULE CHICAGO"

EDISON BUILDING

-2With kind regards, believe me

Yours very sincerely

Launce Dusine

Surends.

GABLE ADDRESS
"INSULL CHICAGO"
TELEPHONE RANDOLPH 1250

EDISON BUILDING

Thomas A. Edison, Esq.,

C/O Edison's Laboratory,

Orange, N.J.

My Dear Edison:
I have yours of the 24th and am

very much obliged to you for the information you give me about young Thompson.

Yours truly

Samuel Severeles

If r. Insult was obliged to I are the effect before the about letter, it is $x^{\mu} \in II$; this, was ready for his personal signicurs. to acknowledge ? in the glabe and terms for his s quainted with partinglans twe of the work, he ned to do - to descris, however that he want of opportunity and to of being arrociateted with Me Edwarr work much more trace a right salary and is perfectly willing to make the quebling of the latter a s'ecandary consideration. 9/ mis Edivace wanted supply It May with some particulars

of the vacacity to be filled, he canced be pleased to subject all the details of his training and expensioner, which commits exactly the following to force and principles, which was finished to force and principles, whether St May is quarte, fire for the work.

[ATTACHMENT/ENCLOSURE]

I am in need of a factory Chemist Wohat over your terms

7005

ARE YOU LOOKING FOR A FIRST

CLAS CHEMISTY
Chemist, Ph. D. 3 years, best
Geman trianing and experience
in varied branches of industrial
officers and trianing and experience
in varied branches of industrial
control and intermediate products,
polymers of the products,
took, becterologiest, capable to
handle men and to organize, commercial instancts, knowledge or
with progressive concerns in any
capacity, where he can show he
ability. Address B 200 THE
CLOSE.

DEPARTMENT OF EDUCATION Office of the Principal of Public School No. 16 Borough of Birkly n. J. Mr. Thomas a Edism, Mest Orange N. J. we have start to and Dear Sir, - Jan interested in & Country boy whose Mother is worse than a widow. He is the eldest of fire Children being perenteen years of age. The boy has chown special interest in electricity since he was twelve years of ag I am a teacher in the public school and ffeed him fine months board in my home to attend the Vocational school in Manhattan. He has made good progress in his special Mr. Thomas aldison

work, electricity for the time and has been commended by his instructors. His name is Elion Pearsall Greene, n. 9. Do you know if any shop in blace where he would "Continue his work and receive a small Coupensation Heping I have not assumed to much in writing you I am your respectfully agnes & De Monde 173 Madieni St Book

Office of the Principal of Public School No.116. Til. Thomas a. Edison, Must Crange, n. S. who com soly sold Kind Liv, your Letter is received and I am revi grateful for your off Elroy Peareall. I am sure if he fails to please, it will not be became he will not try In he appriciales tiris opportunity. His term in Vocational School mill not es pire until June 30. Will ym kurdly write me ym advice and mich as to when he shall go to you! Tratifully yours, Agnes & De Monde.

hab - Engloyees Office of the Principal of Public School No.116 Mr. Thomas Cl. Edison, Tear Sir, Will Mr. Edien kindly let West Orange, n.J. me know when he would like to have Elroy Pearcall begin his month's trial mith him! We are all so pleased and grateful for the opportunity which mill be so much to him and which he fully appreciates. Gratefully yours, agnes & De Monde P.S. I mote about a week ago, asking for you wish in the matter of his immig them. dired no unever, as I will again as I am aupins to-han him do as you deen best as D.



Western Electric Company

New Bork

June 7th, 1911.

ACP-D4.

IN REPLY HEVER TO

1....

NELSON C. DURAND, ESQ.,

Edison Business Phonograph Company,

Orange, New Jersey.

Dear Mr. Durand:-

Confirming our telephone talk of this morning, do you think you can find a place in your laboratories at Orange, New Jersey, for Mr. Alden Crankshaw, a young man nineteen yeare of age who has just finished his first year at the Massachusetts Institute of Technology where he is taking a course of Chemical Engineering and wants a position during the summer vacation?

This young man is particularly interested in all kinds of laboratory work along the lines in which he is specializing, is good at mathematics and has done some draughting. As I fold you this morning, while I should appreciate anything you can do in his behalf I do not exactly feel as though I were asking a favor because I am sure that if. Crankshaw would be an exceedingly valuable man for your Company.

Very mult Jours,



Western Electric Company

New York

NELSON C. DURAND, ESQ.,

The Edison Business Phonograph

Dear Mr. Durand:-

This will introduct ir. Alden Crankshaw concerning whom I wrote you recently as desiring a position during the summer months.

I will consider as a personal favor anything you can do to further Mr. Crankshaw's desire to obtain employment.





New Bork J

June 8, 1911.

IN REPLY REFER TO ACP-D4-A

BERLVING T

MR. NELSON C. DURAND,

The Edison Phonograph Company,

Orange, new Jersey.

Dear Mr. Durand: -

If find that Mr. Alden Crankshaw cannot call Friday morning, but will call Saturday instead. If this will be inconvenient for you, will you please have your office so advise me?

(Chearsey

Military Con

June 9th, 1911.

Mr. Julies Johnson, 553 Forty-Sixth St., Brooklyn, H. Y.

Doar Sir:

We beg to advise that we now have an epening in our Engineering Department for a designer on moving-picture work.

. As per our recent conversation, the position will pay \$24.00 per week to a man competent to carry on the work in view.

If you care to accept this proposition, please report at as early a date as possible, and if you cannot, please advise us to that effect.

Yours vory truly,

edison laboratory

ASSISTANT CHIEF ENGINEER.

ALS: AH

University of Co De Lam in need i Electroptaling Verue problem 700 Work Gut !

Day we want an Ecclochemist well versed un Clectroplating Ducklans o a factor

Pablicution J. W. RICHARDS, PH. D. C. E. WHITTLESEY J. M. MUIR

Metallurgical Chemical Engineering

A MONTHLY PUBLICATION DEVOTED TO ENDINEERING OPERATIONS IN THE METALLURDICAL AND CHEMICAL INDUSTRIES E. F. ROEDER, PH. D. COITOR

PUBLICATION OFFICES: 239 WEST 39TH STREET, NEW YORK

PITTSBURGH OFFICE: 301 OFINER BRIFDING EUROPEAN OFFICE: NORFOLK ST. STRANG, W. G. LONGON

DENVER OFFICE

June 16th 1911.

Mr. H. F. Miller, Secretary, Thomas A. Edison, Orange, N. J.

Dear Sir:-

We beg to thank you for your favor of the 14th instant and in accordance with your instructions will insert the want advertisement, which you enclosed, in our July issue, sending the replies to your laboratory.

Thanking you for your instructions, we are,

Yours very truly,

METALLURGICAL AND CHEMICAL ENGINEERING

JMIL/S

Formirly Electrochemical & Metallurgical Industry

[ATTACHMENT/ENCLOSURE]

M 23 911)	Company of the same of the sam	
	Speciment of the state of the s	
What is of dises of press	Colin production of the colon o	e se

NEW YORK, July 11: 1911 This a. Eduson Esq. West orange, My searfu: I have a son 20 years of age who is anxious to get to work, is mechanically inclined and would be a handy young man in a machine shop. I would like to get a position for hum so that he could get home mights, and as we are now living in Bloomfield he could get to and from your works night and morning without may I send him to your manager so that he can look him over and see whether he could not fuit him a position where he would be useful. He does not want a clerical position but wants to work and I can assure you you will not find him a shirker. I trust that you may be able to use him and that I may have an early reply, I bey to remain Sencirely Wours Mr. Banfield.

[ATTACHMENT/ENCLOSURE]

The I descen

The attacked application
log to state that I have tately
placed a young mon as appendix
o cannot now applicant as he has
worked for me in the Westingbourse
Co or will give from the next
opening if you so cleane
respectfully

Nay that we have now work would Mr Masta wife as are five y series he knows you the make you have a particle

Baker & Company, Inc.

C. W. BAKER, Vice-President

Platinum, Gold and Silver Refiners Assayers and Smelters

Nos. 408, 410, 412 and 414 New Jersey Railroad Ave.

New York Office: Cortland: Bldg., 30 Church Stre

Newark, New Jeney, U. S. A.,

July 20th, 1911

Mr. Harry Miller, Sec'y., Thos. A. Edison Laboratory,

Orange, N. J.,

Dear Sir:-

Mr. Charles Snyder, of # 90 Maple St., West Orange, N. J., who claims to have been employed in your Laboratory for six years and to have advanced from \$9.00 to \$15.00 per week in three years, has applied to us for a position as helper in our laboratory, and has given your name as a reference. Any information, with which you may be pleased to favor us, as to his character, habits, etc., will be duly appreciated and considered strictly confidential.

Thanking you in advance for an early reply, we are Very truly yours.

BAKER & COMPANY, INC.

PZ_NW.

May!

[ATTACHMENT/ENCLOSURE]

Mr Halland

" Joan you tell me
about conder who take,
can survey who take,

7/21/11

My highler.

Simpler was of the
Siderialony a little over 5 years;
lefine that he was if he will have in
the was a good stearly we had time.
He was a offer year like templerment, and I was were extens
that he was howest. Sugater
dust he was howest. Sugater
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that he was howest. Sugater
the small tell room when

W. E. Holland

Jabor this letter is my le is Ingenieur aux much fo

Some latter:

Jam

Journ

Mo Das Flaube.

get Wangemann

brence to my brother

Theo, who was a friend,
a frue friend of Journ

Mear mister Edison

Deutsche Mähmaschinenfabrik Aktiengesellschaft W. 30 ell Brandenburg a. d. havel. aus 9/1 brik/für Erntemaschinen Brandenburg a. H., den 21 My August 19 11 Thorage Barrery co roless. orange 4. J. M. G. O. Q. Mr charles I. Flescher names you for his reference; sherefore please so let no know whether you consider Me Fletcher as an experienced engineer able to manage our workshops in a shoronghly modern style. Thanking you in anticipation of your early reply me beg so remain fir fours Aruly Internal gnowortmarree

THE CHATFIELD MANUFACTURING COMPANY COAL TAR AND ASPHALT PRODUCTS

CARTHAGE, OHIO

Sept. 14th, 1911.

Mr. Thos. A. Edison, Orange, N. J.

F 16 811

Dear Sir:

Dr. Rosenstein has applied to us for position as chemist and has given us your name for reforence. Anything you can tell us about in. Resconstein as to qualifications and character will be appreciated and strictly confidential. We are looking for a man who has a future and cannot to afford to experiment.

Enclosed plsase find self addressed and stamped envelope for rsply.

Yours truly,

THE GENTELD NO CO

F.C.K.

Sept - 191 Do Townstein noted as my advistant in the exercial Sale where for one and a half years. To work during this time was satisfactory, and he assend to be an intelligent steady Tound him well her od in the cremistry bill organic and a position requiring transical extremen seed as is mentioned in the inquiry I am unable to state, vince is such acquirements whi

Referring to some correspon. dence and an interview, which I had the hunor to have autryou somewhat earlier in the year. I now take the lebesty to respect the subject again. Having at this time submit ted to you my qualifications eto and can. sidering your remark that you would pro. hadly find later an appartunity of anailing jourself of my services, it only re mains for me, to say that I would now ar at any future date g addy take up any kind of work, an which wassell chance to try me and give my best to prove my appreciation

and the knowledge it was you who gave we appartunity and that I could be arraciated in however an insymitizated for the form life work would be the greatest inducement to do my best.

I may be presentled to acted, that I am at your disposal at any terms in consistence with the cit-

Believe me, Six.

nespectfully yours

a. F. Ney.

a surspean training party pur hape in account of my mixed parentage and partly in account my long experience in defferent countries I believe mat you will find me quest and mucosuming and pee of any cancert, which would prevent use of subardinating my ideas to a superior mind and adjult be and my energies to circumstances and cauditions. In the other hand, I believe myself fully capable to pruduce results in practically any field . I have always prided myself to be possessed of this fina. etical Seuse, which is indispensable to one, who engages in the application of sucutific Theories and nesults to com. muce and industry and is unforter nately laking in a large porcentaging chemists . Try executive alicely has ne . heatedly and arknowledged.

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of your true. If I may be allowed to say, connecting out a remark of your at our will week which I remember, I believe you will

find me free of some of the abjections we cheme

Les Employers Form N. C.M. 8-11.

NEW YORK AND NEW JERSEY BRANCH

W. Orenge, N. J.

OF THE NATIONAL METAL TRADES ASSOCIATION, EMPLOYMENT DEPARTMENT, NEW YORK.

74 CORTLANDT STREET,

Edison Phonograph Co.,

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Indianapolis, Ind.
Chicago, Ill.
St. Louis, Mo.
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Minneapolis, Minn.
Marietta, Ga. Toronto, Can.

ear Sir: H. F. Connors	states that he was in your		
uploy as le the hard,	under Foreman, Clausen		
	Time Cheek No		
6 mcnths from Nov:10	Apr:11		
or 6 men the from			
my information you can give us regarding fidential.	g him will be appreciated and treated as con-		
Lindly fill out and return this blank.			
Ve have no intention of depriving you of this	man's services if he is now in your employ.		
Vas he employed by you for period above na	med?		
Excellent?	Fast?		
Skill Avenge?	Production Medium?		
Poor?	Production Medium?Slow?		
Regular? Temperate	Union?		
Reason for leaving?			
At what class of work does applicant excel?			
Remarks: O. e. work coss applicant excel? Remarks: O. e. workco at the Rabonating about two weeks. Micolai could but			
about two weeks. Nicolai could but			
necommend him			
	Signed————————		

10/16/11

Yours very truly, THIS IS PRINTED IN COPYING INK.

Thanking you in advance for a prompt reply and assuring you of our willingness to

James B. Curtis

.1.15 Broadway.

TELEPHONE 193 CORTLANDT Now York.

Mr. Thos. A. .Edison, Esq.,

Llawalyn Park, Wast Oranga, New Jarsay,

Oct. 21 /1911.

My dasr Mr. Edison:

Your favor of the 10th is received . I did not think you would not provide the control of the co

Trusting you will answer this letter, I remain,

Charle Wahnson

P. S. Tell Theodors to write to me . You will find a stamped) ansvolops, address ad o ma. .

> JAMES B. CURTIS, Sol-Emy ATTORNEY AT LAW 115 BROADWAY,

> > Haster Chas. A. Johnson. c/o J.B. Curtis, 115 Broadway,

New York,

mo, fr

The College of the City of New York Department of Chemistry

Mr. Thomas a. cairon Cotober 31st, 1911

Plewellyno Park W.J.

Pear air,

Share heard from mr. Robert W.

Cane, that you are in need of the pervices of comeone to arrange physical experiments from which to make moring fricture films and at his suggestion I am cending you a statement of my experience, as follows:

The 1894 and 1901 I was muchanician in the Department of Payelways of Columbia university man Prof J mck Catall. While at Columbia E was engaged in making and petting up apparatus for psychological research.

Sleft Columbia to go to Cooper Union and from 1901 to 1906 I was mechanician and lecture arrivated to Prof. We a anthony in the Reportment of Physics and Electricae Engineering at that institution, while there I was Prof. Authory's lecture arrivant in physics and electrical measurements in both day and night achool for four years and cet up all of his lectures for those for four years. The perforation of lectures took up as not half of my time, the permainder was deroted to the construction and support of physical and Electrical apparatus.

at the end of four years & became instructor in physic, and continued as auch till in November 1906 I was appointed, tector in physics at the College of the City of New York, where I am patiel engaged. Sam now

The College of the City of New York Department of Chemistry

with Brof. Chas. Baskeville in the Department of Chemistry.

I begins that the twelve years experience outlined above, chould perculiarly fit me for such work as Mr. Paul briefly described. I have letters from Brof. Authory, Brof. Spice and Brof. Hortmann at Cooper Union and Brof. Cottel of Columbia. I am twenty reven years of age.

May I have an interview?

Respectfully Seeden Coursemen.

The Graves Thomas Coursey han been Employed by me of Carolinea fortundly for over 25 years Hu work wow always admiratory and Chare is no botto Covarbinous in my openion Heleaves af his own accor

aus 11/21

CATE A. S. LUNION G. A. BOOTHY LUCKER

THE ALVAN CLARK & SONS CORPORATION

ASTRONOMICAL TELESCOPES

and flow much do you want per

month

CAMERIDORPORT, MASS. November 13, 1911.

Mr. Thomas A.Edison, West Orange, N.J.

Dear Sir:
I desire to apply for a position in your laboratories.

The making of object glasses is in the trade secret stage yet, and in Lundin, who learned if from the diarks, is unrilling to task myone case but his son and is unrilling to each seem to the son and is unrilling to develop the optical department beyond that they can handle themselves.— Without such development my work here xi will soon be at an end.

I made my own way at collegs by doing electric bell, telephone, the triang motor repairing set. Wes instructor in Physics at the University of Viginia for toy for early wears where I designed many assistant at the Newtonian for toy for any wears where I designed many markingship to the control of the cont

lumber used. I have never left a position except for what I considered a better I have never left a position except for what I considered a better one. I am 35 years old and married.

I can work with my hands. I could qualify as a pattern-maker, toollary of brans finisher and an a fair draughtemen, layer made neweral hundred sheets of drawings. I have over 1250 worth or fine tools wicrometures frawing instruments etc., and have the best and latest books on astronomical and optical instruments.

RETURNING A HIDSTY LO WRITE to Mr. Chas. H. Sarver of H. M. Sarver & Son, You are at liberty to write to Mr. Chas. H. Sarver of H. M. Sarver & Son, Bast Cambridge, Hass. who owns a controlling interest in the comporation. Heither Mr. Lundin nor myself are financially interested here. Your consideration will be greatly appreciated.

H. D. RUHM, Pres. and Gres. Mgr.

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YOUR FILE......
NIAGARA FALLS, N.Y. 11/14/11.

Mr. Thos. A. Edison, Orange, N. J.

N. 16 -11

Dear Sir: --

Dr. 9. Rosonstein, 1352 Clinton Ave., Bronx, Bow York City. has applied to us for a position as chemist.

Beg to advice that the only possibility of our requiring such services as he may be able to offer will be in positions ultimately leading to places of executive responsibility.

Kindly give us any information you may care to 4α in the light of this fact regarding Dr. Rosenstein.

Thanking you in advance, we are,

Very truly yours, NIAGARA ALKALI CO.

PRES. & CENL. MGR.

HDR: MAB.

[ATTACHMENT/ENCLOSURE]

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Thomas A. Edison's Laboratory, Laboratory,

I understand that you are looking for a first class factory man, who is good on organization. I can recommend very strongly Lieutenant E. K. Eyre, who reorganized the methods of the Lamp Works at Harrison originally and who was afterwards with the National Lamp Company. Mr. Morrison of the Harrison Lamp Works knows all about Lieutenant H. K. Eyre. I do not want to send Lieutenant Eyre to you unless you want to see him, as I do not want to bother you. Would you please let me know by return mail whether you are looking for a good factory executive and if you would oare to have me send Lieutenant Eyre to you.

Yours truly Lancing Confidence

THE ALVAN CLARK & SONS CORPORATION ASTRONOMICAL TELESCOPES

CAMBRIOGREPORT, Mass. November 22, 1911.

Mr. Thomas A.Edison,

West Orange, N.J.

Dear Sir:

In reply to your letter of the Alst. inst. per Mr.Miller:

I would be willing to start on {175.00 per month and trust you to increase the amount if you find me worth more than that to you.

The first year I was superintendent of the Ames-Bonner factory in Toledo I received (175.00 ger month, the second year {200.00 per month.

I came here on a salary of £3000.00 ver year, which I have earned, but without further development of the business my place can be filled by a cheaper man.

yory truly yours,

Lew Shakagraph

CABLE AGGRESS
"INSULL CHICAGO"
ELEPHONE RANGOLPH 1251

EDISON BUILDING

November 27, 1911.

Thomas A. Edison, Esq., Cars Edison's Laboratory,

Orangs, N.J.

- 48

My Dear Edison:

I have Mr. Miller's latter of the 21st. Lioutenent M. K. Eyrs's address is 308 West 97th Street, New York City. I think it would be worth your while to see him, as I believe that he could save you lote of money as a critic of manufacturing methods.

Yours truly

Vanuel Enteril

Mr. Thomas A. Edison, Crange, N.J.

orange, w.o.

My dear Mr. Edison,

Mestack of the state of the sta

November 27.

I note with pleasure your advertisement in the Army & Navy Journal under date of Movember 1855, and to learn from it that my friend Mr. Hutch son her become so closely identified with you.

I have known Mr. Nutchison for a real pumber of years, and have always been impressed with his genius as an inventor and his ability in matters executive.

This, as you have probably discovered yourself, is rather an unusual combination, and I am extremely pleased that Mr. Hutchison is in a position to demonstrate his value. I am much interested in watching his progress, as I have always felt confident that if he had the opportunity he would become a man of prominence.

I desire to take this opportunity to state that my experience with your latteries for lighting on my yacht has been of the most flattering character.

Yours very truly,

Symbourset

Enp. apple

THE ALVAN CLARK & SONS CORPORATION

ASTRONOMICAL TELESCOPES

Community of the foundation of the state of

Mr. Thomas A. Edison, West Orange, N. J.

Dear Sir:

In reply to your letter of the 28th inst., in regard to

I enclose a snap shot of me taken April, 1905 - in my 80th year.

I have not taken time to pose for a photographer since some time previous and so have nothing better to send.

In the last six years I have worked ten hours a day for my employers and considerable overtime for myself, with only one vacation of six days, but I am not much worse for wear.

Without obligating you in any way, I will be glad to come to Orange to see you. I can bring drawings of instruments and machines, also im lettern and other evidence of my work. I will have to be in Cambridge on Saturday Morning December 9th, but could come at any other time next work.

very truly yours,

W. W. Dinwiddie.

November 29, 1911.

Mr. Edison,-

This mun Norton whom I have had in my office now for several acouths, in proven you fulfiful. He has worked your just had his services have been very actisfactory. He is now setting 20.00 per week, it would like to raise him \$1.00 per week, or to 501.00 per week. He described to 501.00 per week.

a. v. durchigon.

Dec/ 1st, 1911

Alfred I. Du Pont, Maq., Wilmington, Delaware.

My Dear Mr. Du Pont:-

Your esteemed favor of the 27th ult. has been received, and I would say in reply that it has given me great pleasure to read your kind expressions in regard to our mutual friend Mr. Hutchison, as I fully coincide with you in your opinion of him.

Allow me to thank you for the information as to your experience with my batteries for lighting on your yacht. It is gratifying to learn that you are so favorably impressed with their performances.

Yours very truly,

TAE/ES

Com 173 Madreon Sh. Brooklyn, Dec. 8, 1911. Mr. Thomas a. Edwar, West Crange, M. J. My dear Mr. Edwar, ne year ago, in February, I officed Elsoy Pearcall, now in your enteloy in the laboratory, a home while he attended the vocational school in Newyok. In June he went to you and so he has not seen his mother In mearly a year. The mother is very amounts to see him, and he wandines to go to the home for a few days. Would it be preside for you to let him go the 26 1h, 27 dv, 28 dv, 29 th and 36 th of De-Burber ! I am writing this without the knowledge of Elity Reareall. I think you for your interest in and kindness to the boy. Very tuily yours, agnis E. Damonde.

[ATTACHMENT/ENCLOSURE]

Phis is a boy working in the Chemical Taboratory

He his been working some Carl June

200 3 117.

Dec. 15th, 1911

Mr. W. W. Dinwiddle, o/o Alvan Clark & Son Corporation, Cambridge, A, Mass.

Dear Sir:-

Referring to our conversation a few days ago. I beg to say that I can give you a position here at forty-two dollars (\$42.00) per week, and shall be glad to have you come ready for work Zebruary 1st.

Please advise me of your acceptance.

Yours truly,

Dacomber 13, 1911.

Mr. Edison,-

For him done axeellens with its to between the transfer and the second mothers between the transfer and trans

", R. HUTCHISON.

OFFICE AND WORKS.
WAVERLY PARK,
NEWARK, N.J.

IN YOUR



and Anniances.

Y PLEASE REFER TO	worly Park, Newark, N.J	compor 27, 1911.
Edison Laboratory,		
West Oronge, N.	<i>3</i> .	81
employmentss(Desig	ical Instrument	een employed by you
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and consider us at 3	be held in strict confidence, t that you will treat our inqui your service for similar refer- erewith stamped envelope, and y reply, we remain,	
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EMPLOYMENT DEPARTMENT.

WESTON ELECTRICAL INSTRUMENT CO.,

WAVERLY PARK.

NEWARK.

Redorff: Matrieu Piling Reg. By Hale My. Jujuruputu Jawa Edisaa! Vangailan Vis grilight, Arilen on Vis wife. Vat wilt for C hi Adlan in andin für die "Preje" no The Wangendam, der 1889 die Meife für Tis driet fixage with dem pour John of going and you days if den Mich fam have been the foreites moderne die Mitherlinke den Ale sices die Tadar in die hourt. Har Ornagan ging wher dillater Vapa Jugenicus Lilius Claube may New York mit dam imige Minister, sinds and in Tyra Afarkan Afakis ya fain. Is opinish mir, ar fata-don Tura gapanga aman and inam Yana gapanga dar main an Simber This may janjin bis yakuwat fata.

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majns: New York Eity. Whit was july fur yayayting anne linadar you day doub simp der whater hope dan Last freed Marblish if in Unakharkaif

[ATTACHMENT/ENCLOSURE]

M

The sixter of our old friend Wargemann, has a son, a civil engineer, who has come to then york to look for employment, but could not find any so for. The now prays, you instantly to know for the young man. The has come several times to the Ladouatry to look for a fed, but in oain. The is the nife of a chief. but in oain. The is the nife of a chief forcefor in Townson, I was lady to the the force of the force of the force of the force of the sand one of the force of the

Julius Planbe W 542 West 149 " Start New York

The young man wants to be an inventor, Flying-massines are his speciality.

Mors. Ober foorter Odo Planbe Morten Ysley Reg. Bex. Coly Jamany

Detrock days ty had plan you for a favour to please raise my wages a little it? is very small for the hours I work from 6 a. In to 6 0. m I days a week, thanking you in advance your humble Servent Thomas Couray

Edison General File Series 1911. Equipment and Supplies [not selected] (E-11-42)

This folder contains correspondence and other documents pertaining to the purchase of equipment and supplies for the West Orange laboratory. Also included is unsolicited correspondence from vendors and suppliers, along with documents concerning the settlement of accounts.

Edison General File Series 1911, European Tour (E-11-43)

This folder contains correspondence and other documents pertaining to arrangements, appointments, activities, and publicity during the period June-October 1911, when Edison and his family visited England, France, Germany, Switzerland, and other destinations. The correspondents include longtime Edison associates Theron I. Crane, William Kennedy Laurie Dickson, Francis Jehl, and Edward H. Johnson, as well as John F. Monnot of the Klaxon Co. Some of the correspondence with Jehl and Monnot concerns the repair of Edison's hired car.

Approximately 30 percent of the documents have been selected. The following categories of documents were not selected: unsolicited requests from European admirers for Edison's opinion, aid, advice, and autograph; inquiries regarding interviews with Edison and articles written by him; untranslated foreign-language letters; unsolicited calling cards, postcards, and routine greatings.

Newspaper clippings relating to the tour can be found in Scrapbook, Cat. 44,447—European Tour (1911) in the Scrapbook Series.

grup mayan

June 2, 1911.

Hr. H. F. Hillor:--

211

I hand you herewith the Antonichian blanks which have forworded to us by the "Thite stars 9/8 30.9" These are to be proporty filled out for the year-myore intending to tail of the 9/8 "Boomie" leaving Bow Yord: June 51st. I understrate What fore press plan will sail on this took and the information as given on had found should sever too year-congress will you have those filled out of myorm to to to-large I will then you are supported with the resistance I on somethy to cover the 9/8 throats.

cnc-

TS/IT

[ATTACHMENT/ENCLOSURE]

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[ATTACHMENT/ENCLOSURE]

Department of Commerce and Tabor IMMIGRATION SERVICE

INSTRUCTIONS

If purchaser claims to be a United States citizen, that fact should be stated on line 5, and name, appreximate ago, and sex should be given. No further information concorning United States citizens need be recorded.

In answering question 8, the year of arrival should always be stated. If alien has been in the United States less than two years, the month of arrival should also be givon, and day of month as nearly as possible, in order to determine whether alien has been in the United States a year or more.

In reply to question 10, if alien is unable to state where he is going to live, the nuswer "undecided" may be

recorded.

Korenn,

The following is the list of races : African (black), Lithuanion, Armenian, Bohemian, Magyar, Movieun Montepegrip. Bosnian. Mornvinn, Bulgariau, Pacific Islander, Chinese. Polish, Creation, Portuguese, Cuban, Dalmatian, Russian, Dutch, Rathenian (Russulak), East Indian, Seandinavian (Norwegians English, Danes, and Swedes), Finnish, Scotch, Flemish, Servion. French. Slovak. German. Slovenian. Greek, Spanish, Hebrew. Spanish-American, * Herzegovinian, Syrian, Irish, Italian (North), Turkish, Welgh. Italian (South), West Indian. 11-2016 , Japanese,

By Western Lumin (Lieben Cide) MEANING . CABLE WORD EDISONS Will Sail via Hambrug anucem Line EMPAKASSE Janu 24.5 EBRANLIEZarrange to meet or ASSOPIREMO-Peymouth with PLYMOUTH -WITH Sum SEVEN sear SEAT open OPEN con CAR cape CAPE TOP. TOP sisine to Rent BIR LANDO-UNTIL Oon 150 ECHAFAUD-Hutcursin.

Oted. To J.a. E. ale. MW.U.



12 NY N 10 Collect New York June 13-11

For Hutchison

Thos A Edison Orange NJ.

Edison for hutchison New York Distordre assorgemmo edison plymouth burnettize.

1- Reform to four telegroun of 11 work & 11000 1

5. Can you gwa name of Steamer

10 th July " Edward . Tayo dear ur Edwar 11 11 I am pleased to know That you will sail on the Mauretania. As stated to you, I will arrange for seals at the Table Jagerotrueg

Est. miendo

TELEPHONE, GERRARD 4867. TELEGRAND, GARLES,"LAURIONITE" LONDON CODES: A.B.O. ET EDITION IN LIEBERS.

W. K-L. DICKSON.

(LATE WITH EDITION INSTRUCTOR)

ELECTRICAL & MECHANICAL ENGINEER. TESTING ... EXPERIMENTAL LABORATORY

MACHINE WORKS.

Thomas A. Edison Esq., Orange, Now Jersey, U. S. A.

My doar Mr. Edison. . It gives me great pleasure to learn that you are visiting this country, and I hope you will spare 10 minutes of your valuable time in honouring my Laboratory with a visit, as I should like you to see what I am doing over here.

Will you be good enough to let me know what time you expect to reach London and if there is any mortal thing I can do for you please command me.

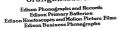
With every good wish,

Yours sincorely

4, DENMAN STREET, PICCADILLY CIRCUS,

LONDON, W.





LONDON PARIS BEBLIN BUENOS AIRES

"ZYMOTIC, NEW YORK"

July 28, 1911

Dear Mr. Edison:

Because I am leaving to-day for my vacation, I will not be able to see you off on Wednesday next, as doubtless some of the others will.

I want to offer my best wishes for a pleasant voyage across, an enjoyable sojourn in Europe, and a safe return in the fall.

very truly yours,

C. C. Welserey

T.H. E DISTIN- Personal

August 16th, 1911.

Mr. Thomas A. Rdison, Morgan Harjes and Co., Paris, Prance.

Dear Mr. Edison,-

another letter received from Fox. I am sending you under separate cover, accessed sometime to the transfer of the first sending you those various communications because I think you should know of developments in this line. I am enclosing herewith, a clipping of your old friends Mutt and Jeff; four can see how fearons you are getting when these two lines from see the fearon you are sample by taking a weation.

Yours sincerely,

Caraledario (Como) August 30 th 1911 that you are in Europ for a trip with your family. have the indention of paying a visit to has been for the first time indroduced in the European Condinent; but of your should find it possible to include in your proposes a short excursion to hike I and my friends of the Edison Company would be greatly obliged to you you will find in Milea former of your most finen friends and admires. Haping you may be able to Comply with our device, I remain as always my dearthing forwards of Cobourla

MEDISON'S NEW MOTOR.



HOMAS A EDISON scens to be laving the three of he life on his flare open stilled plant. At present of the life of

Mr. Edison has been inspecting the natural cold storage, plants and unemployed water power of the Alpine glaciers. Now he lends

a hand to practical experiment in animal traction.

Rounding a mountain curve nonewhere between Geneva and Interlatent he and the substitution of the contract of the contract

towed it anely into port.

Here is where selence, like the fashions, rotates and reburns
the primitive forms. What could be pretiter than this lide of the
to, primitive forms. What could be pretiter than the lide of the
great inventor going back to the archeis system of becomedies alluded
to by the late Josh Billings, the pioneer of simplified spelling, in
his Persper's Almanax;

"A shiftiess man was Farmer Snyder, He spent his time a-drinkla' eider.

Together he worked a eew and a mewi, And never sent his boys to skewi."

Persona

Sept. 1st, 1911.

J. F. Monnot. 31 rue Daru. Paris, France

Dear Ferry .-

I have not heard from you in an age.

The New York World has been very energetic by keeping a reporter on the trail of Mr. Edison, ever aims he landed in Europe. This reporter cables over about a column about every day. Some of these reports mention that he wenting for you ab the Kajestic, and of the trip that you and Mrs. Monnot took them on through Parts.

We have dust received information through the newspapers that the automobile setded in one of the mobbath is Switzerland, and almost over-turned laws you heard anything definite about this, and if, what really did happen. One paper had to that the car turned outpictable own Another one had that the car was completely weeked, and beyond read: I am wondering what really did happen.

When of the head has heard a word from the 1014 Man gines he left. He is not much of a latter writer, 900 know, and these timeoutant comes up, he does not rube of all. We have to get our information about his from the nonequere.

What did you succeed in doing with him while you had him? Thope you closed up a good business with him you at the graveout

Things are going along very nacely here. I finished my submarine titels design, and an building three or the 3,600 ampere how cells. These will be completed and ready for test, Linea, hearts. the Old Man gets back.

Keep it under your hat, but we are going to show time when he comes back. We are chartering a yacht, and the heads time when he comes cause he are charactering a years, and however of all the nepartments are going down the Bay to meet him and tage of all the nepartments are going down the Bay to meet him and tage film off of the steambest, We don't wanthhim to know shything about it was the steambest of the steambest to take about a thousand of the men down double of the steambest to take about a thousand of the men down

mounts of the sensor. The selection reconstruction, the second control of the selection of to meet him.

to have the man still hard strict, as usual, and amy taking my wagation from 2/A; 16:10 7/A; M; 10 or orginally says to strong the principles of the princip

Bow did you get along with lack of olgar-steamhile the Old Man was utility you. I laughed every time I think of the discontiume on this point of see the Old Man inn interview in the Albe, states that a man who smokes olgarettes pute his brain or more swindlesses. He was a interviewed up the deadler, from Femph when the Orace swindle. I don't know where he will stop next. The old of this, he was calling the King affected the office and the will see the office of the old of the old

Yours sincerely,

The second of th The ingree distriction of the property of the second control of th

of the company and another than the prince of the company of the c

. I like had been hope but like the gar-

48 Th 7, Bully 3.4 grand grand

TELEGRAPIC ADDRESS TONNOM-PARIS

TÉLÉPHONE 593-20



THE KLAXON CO., LTD.

WARNING SIGNALS

JFM/ALJ.

EDISON.

ACCUMULATEURS

31. RUE DARU

PARIS, 12th. September . 19 11.

Mr. M. R. Hutchison, The Rison Storage Battery Co.,

My dear Hutch,

I have yours of the 1st. inst. and note contents.

I know that the "New York World" reporter is following closely Mr. Edison and I met him several times. Since Mr. Edison oloresty are entered and a new nim several cames. And are also are American papers are publishing about him as they are bound to give next can wapers are putilizing about him as day are bound to gave some ness of any icind. I have no information as to the autombile accident they have been referring to but I can assure you that there has been nothing serious as the tourning trip is following its approximately of course and no report of any accident has one to the lainter; they are sending money to the charifeur every week and he is reporting to them also every week and hes made no mention of any accident up to them also every week and hes made no mention of any accident up to the 10th, instant. I had informed you by my lettle with the happened with the Old Men and as I am salling with him on the Soth.

happened with the Old man and as I am satisfies over matters, inst, we will have an opportunity of talking over matters, inst, and the Regarding cigarette smoking, I have not been deprived much while with him as I have smoked many good cigare which advantageously compensated the lack of cigarettes. If Mr. Edison does not come to while with him as I have substead many good casses which sectors of compensated the lack of cigarettes. If it. Edited does not be remarked as a going to meet him in leastle sector and sectors and sectors and sectors and sectors and sectors and sectors in the sector and sectors are sectors and sectors and sectors and sectors are sectors and sectors and sectors are sectors and sectors and sectors are sectors. the electric traction.

Awaiting the pleasure of seeing you soon, I remain,

Yours sincerely,

Wien, 12. Sep hember Jil.

Yuir Hesinvolaberen Hoch geschälztet Herr Edison .

brends ich mir erlaube deuselben Underenstrug rekomandiert, au Einer Hochwalgeboren Adresse in beordern - Als armer Tongund bitt ich nieht in der Lage, Einer Hochwolgeboren die Russichning,

der ergebenen Widmung) auf theweren Notempapier an senden. Bitte Sie daher, nur auf den Inhalt meines Rythmus an achten, inder ich hoffe, dass die Komposition Ever Hochwolgeboren gefallen wird, nehmen Herr Edison die Versicherung meiner grössten entgegen und verbleibl The gans per adresse: Wien T. Haus sproshes. Composer of the Edison Mound



hin Evinsering der in Ehrforcht gweid, mehn: Edison-Marsh!

View der ir Lydember 1911 Yahri P. Gabriel September 15th. 1911.

Dear Mr.Edison; -

I am very glad to know that you have arrived in Prague, and I would be pleased to call with Mrs. Brittain about eleven this morning if you will be at the hotel at that time. I called this morning, but was too early.

I would also be pleased to have you go with me to call upon the Governor of Bohemia, if he is in the city. If you will please let me know whether it will be convenient for you to call to see the Governor I will at once endeavor to arrange the time, and will inform you.

I also hope you will call at the consulate before you leave the city.

Very respectfully,

Mush J. Inttain

American Consul.

53 Mariengasse.



) ie





Telegramm-Adverse:
"XYLOGRAPHIA BERLIN"
Teleghans ASIT VI, 7260—7248
Sino-Contos Deulsche Bank, Berlin und

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BERLIN . LEIPZIG . WIEN . STUTTGART

...

BERLIN W.57, den 22nd of September 11

Thomas Alva Edison Esq.

c/o Mr. Sigmund Bergmann

Berlin N. W. 7
Sommerstrasse 4

Dear Sir.

R1/D

We did already take the liberty of addressing to you the following lines to Marienbad and Dresden. But in case those two letters did not reach you we beg your pardon by bothering you again with the following.

For almost a year or so we are corresponding with Messrs. Harper & Bros. of New York and with Mr. Thomas C. Martin regarding the rights of translation of the book

His Life and Inventions

for the entire German language. We would highly appreciate your kindness if you would do anything in this matter, as we are very much interested in publishing a German edition of this book. If you do wish a personal meeting, a gentlemen of our firm will be at your disposal.

Trusting to hear from you, we beg to remain,

Dear Sir,

most respectfully yours,

DELITSCHES VERLAGSHAUS

Junga

GRUNEWALD 22 Sept 1911 19 24 PARIE ST. er . wer w. 3280

J. H. BLOCK MOSCOW-BERLIN

Thomas A. Edison Esq.

City.

My dear Sir;-

I was on the eve of starting for Moscom, when the papers brought the news that you are in Germany & on the way to Berlin.

Would you & your family give us the honor to spend a few hours in our home erected a short time ago according to my taste & desires, in the most charming part of the Grunewald.

I know your time will be limited, & I would consider it a special privilige & honor.

My residence would give you a good idea of what modern german art & workmanship accomplish, & I believe the inspection would not be without interest even to you. Without wishing to brag, I believe I have the right to say this, judging by the opinion expressed by many artists & architects.

Would you kindly call me up on the 'phone & tell me when I may pay you a visit. Any time that suits you will suit us à you would confer a special favor on us if you could arrange to lunch with us.

I would esteem it a great favor & honor to be your Cicerone during your stay here. Should you consent, I intended to abstain from inviting anybody except Mr. Thackara, the American General Consul & his wife, who would very much like to make your acquaintapt

Wost faithfully your

The auto takes 25 minutes to come out here.

Beven 23 Lepth. 11. In Horning what sim Hailor Mer. Edison In Brist finger hills buy Thim man fally in for your you If wringly find fin som Julian, Fin Will Veryrigh, nomm ffrm Breffriftms

1. Linf som J. scown Ence, Woothle

2. Lampe som Bed. Tagetlast

mit Amer Jufen 1890 zo 200 him Virginnel bringen Lower "me higher firm my more my Wit winging from Hufufter now would firm many the infun frightisten frimmsning, Digminknoph 19 try thompspit and Not graingen ming, ffrom himpland grand Trong or mysterdom and tim situe, Embrimeny which Auto Whinistand

ATTACHMENT/ENCLOSURE]

Ener Wohlgebren.

tomisters ich auf fine Landwight vom the in dans er mid sehr inter toiren mind scher inter toiren mind scher inter Edison erher Thomas gapher ga hired Them for mint faf in Stumbe From thurst mitteilen wretten med int hie im Schmeidnits mit mir nem tie im Sigen attalen lassen Stur hitte sch midt den 18 x M zu ffram Schrech wählen gu wrollen.

Schrech wählen gu wollen.

Just fredmarschall

[ATTACHMENT/ENCLOSURE]

Abochinift and der Zeitung Beremer Tageblatt vom 122 October 1890 Eine etimes verfripte aber originale Gratulation on reinem Goter Gebustotage winde dem Generalfeldmarochall Grufen Molths dieser Tage vom- Mer Thomograph dangelesticht. Dieselbe lantete: merlynn ifn sim Ambleman You allan Hergen in doutson hand " nively undank say implies What heute in Gelote Inal Mottle genannt. Oh, mine Toth er grading water Und ihm mit lange dem Reich erhalten. your topolo man mindig der Vermingherhood you my wat worse of my hours from Julyen

Hm B. Prenja and Berein

[ATTACHMENT/ENCLOSURE]

a demonstrate for Edison Phonographo nos invited by Court is Motellie to give as conting beart Creisan as conting beart Creisan Befor the main confidentism he raw off a few lines of conjectuation for the counts go list day, for which he was remarked with a thankful grim of the old man he policies to the trans to prove this privatival occurrance."

This man Resuls to now in recedy circumstance and appayer for all the criginal manuscript

The writer of this . B. Reuss of Balin,

and offers for talk the original manuscript incitation of Molling for the Condition and the sport of the Beeline jagin. Leavis it with you to state the price

B. Preus

Kopenik - Strasse 193 IL

Berlin

Six ber Horo Idi for Magain for Magain Se git tiget meine hentige The frage, give betrifft Heren Theodor Mangansaire for a thing her for the Manual for a formal tipe of the selection of the sel

Asks for information about Wangsmann and his present Address.

Mrs. Elise Wichmann Go, Director Meyer

4 Jagow-Grasse Grunewald Derlin Let dervelbe mit nach Berlingertem nem :

Vite ind seine Hotelige

Min The for the 19 56 92.

Sent Pfalphing 1256 92.

Setifet in Salmert bittend.

in orens 1889 Jank

Marsh Michanen.

Heidelberg 25 Sept. 1911

Dear Lir!

gow had been hind enough to allow my arm. Dr. Otto labout to allow my arm. Dr. Otto labout to see your famous comment ulant to see your famous comment ulant to see your famous comment applying on the see your present type. Though you my your present type debying and have time affel enter next to see also a longest famoust All S should so establishingly ploused that should a establishingly ploused that should be established which to show you can't work out to show you can't work out to show you can't work to show you was a at time the largest in our basilet to show you do your disposes. If you would should all grow a few arms to the show a soul me of your world had my largest into all and thanking you have sent how him I would not have you have before you have I shown him

Geh Hemmeriaveral F She U Ginkher der Görllund Euwen Werke Haildhery and Slansheim S. G Susweriskander thethreims Scatterker Sell: bim Taletrikatz,

Heidelberg.

Manager of "Twardelbagy Albanuharm Borteand Commit Companys Washo Thompsay President of Yarman Porth Commit Manafactures Yaracaetics Ernst de Brünn

Humburg, Supember 25 1911 24 now Growing instrass Phin., Prupp I, I: 32/8 Thomas Of Eduson Egr. uney through Estobs and also a goof post. if that your health will be mor air best comby Fearns back from Vero Josla and on account of my health I have to homain in my old country a will kendy remember the site rent conversations As har, har an your tory in Orang, 1 & together am, I would thank of you rould lot me know by you very much nerting or Phone! pleasure to greek men for a for remain Dear Su

Mounting 27 that get them brought home by Newspaper boys. Ur. Th. Edison In no country in the world there are Esplanade Hoke printed (so many Dear lie newspapers & books Reading in the as in Germany, papers that in Dresden which perhaps you you were surprised the did not throw papers are not sold as yel. in the street. Wishing you Let me tell you that а нарру рамаде. in this country me do not - for a rule - buy a Mandeing man newspapers in the street - We are suls cribed on them an

Edward TA

MORGAN, HARJES & C'f.

31 Benkeurd Haussmann

II. P. MORGAN & C*
NewYoffy R.
DREXEL & C*
Philadelphia
MORGAN, GRENFELL & C*
Londres

Paris. 5th October, 1917.

13 sl

Dear Sir,

On the 23rd ult., your telegrem

reading as follows duly came to hand:-

"Femily strongly objects my going "to Paris think oan arrange every-"thing to-day"

and we have not to acknowledge any further

communication from you.

Yours very_truly,

Thomas A. Edison Esq.,

Orange, New Jersey.

Adresse Telegraphique : HARJES-PARIS

TAE Try COMMERCIAL CABLE BUILDING EDWARD H. JOHNSON TEL. 1424 RECTOR DEar Edison Glad to heary in I dant like Bergman they cate to much to loyalty "0 thin too little of man who made Hope your trip theffened of a dist Yours of The

TREASURY DEPARTMENT UNITED STATES CUSTOMS SERVICE Och 10/11 Thos. a. Edison, & 1: 411 Lleweleyn Park, M.J. Dir: effects in the trunks of a passenger arriving on the was found laying on top of a trunk, which upon examination was foun to have your name es graved thereon. I have taken the Same to our office, Room 775/2, in the

building # 641 Washington struck, and if you will pend a measure for same, will be pleased to transfer it to him. I have also in my prosession a bedroom pluper, which the steward of your Suite brought but to the dock thinking no doubt you were shill there and which I promised to reston to

BATH BOARD OF TRADE

N. GRATZ JACKSON, President

Bath, Maine, October 10th. 1911.191

Hon. Thomas A. Edison,

My Dear Sir: () () ()

10° 19'

undoubtedly saw in its original in the N. Y. Commercial. This clipping was read in the course of the proceedings of a recent meeting of this board. Regarding the model new operating here in Bath, the facts are as stated. Should you care to see this model invention in operation, I shall be pleased to have you visit, this city as my guest at any time convenient to you. Trusting that I may have the pleasure, I am, Sir,

Very Truly Yours,

Mysattfathern

[ATTACHMENT/ENCLOSURE]

FREDERICK D. HILL, Int Vice Pres. JOHN J. DESMOND, Chairman React

To show that the McDonald Power system is attracting attention, the following editorial from the New York Commercial was read, after

BATH BO which the meeting adjourned:

TRIED ON THE KENNEREC. N. GRAT

But before embarking on the Amerika at Hamburg for the homo voyege after a three months' outing abroad Thomas A. Edison had a short session with the newspaper representatives in the course of which he told of hie inspection of some of the great factorice in Germany and dwelt at some length on a conference between himself and Professor Pelu. who for many years bas been "wrestling," it is said, with the problem of utilizing for power purposes the ebb and flow of the tides, "Mr. Edison was greatly interested," the Berlin cablegrams say, "in all that was unfolded to bim along this line; .nid he procisimed Professor Pein the first man who has really unlerstood

purposes of general utility." It will prahably surprise both the American "witard" and the German professor to learn that at Bath, Me. for nearly three months past there has been in successful operation a small model plant for the outomatic impounding and release of the tides that has attracted the attention of hundreds of scientists and practical meaufacturers and the interest of not a fow capitalists.

how to turn the tides of the sen to

Its focation is on the west bank of the Kennehec River at a point about 13 miles from the Atlantic oceon, where the normal flow and ebb of the river tides may be set approxi-mately at around six feet; this mochanism has worked without interruption, day ond night, through oil these weeks and wholly without human aid or direction or adjustment except, perhaps, in the nocessory oiling of the bearings and so forth. The motive power of the model has time and again been carefully computed by engineers and others competent to measure it by scientific processes, and according to local reports no one of them has expressed an ndverse opinion as to the perfect practicability of the device when its principles come to be applied on a larger scale. So far as the latest information hereabout is concerned, there hes as yet been no husiness organization formed for bandling the patent and developing the thing in a large way; but the ownership is said to be within very close control with particular effort at an exploitation that might turn out to be premature. Beyond the local and the Maine press comparatively little publicity has been given to the fact that a powerful producer from the tides bas been in successful operation on the Kennebec River for three months. Had the reverse been the case, some scientiste might have appeared on the sceme there before this and perhaps have exploded the theory that the thing is practicable. Until somebody does succeed in doing that, the little plant is open to the inspection of the whole world-and it would seem to be part of good business judgment for its owners and premoters to let the world know a little more about it. Even Professor Pein might learn something by "looking over" this mechanism at Bath—or Edison might inspect it and give the profess

or and other power scientists some-

ARTHUR E. PURINGTON, Sec. ARTHUR W. H. HAND, Teres.

101

Ery Mis

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And Mark. October 23rd 1911.

Thomas A. Edison, Esq.,

Orange, New Jersey,

Dear Sir:

I thought the enclosed might interest

you.

ECK-L

Yours very truly,

E. C. Klipstein

ENCLOSURE -

wie Hefer Bitte-Glausteile Oblienn). Ziemes Ohles hat mei eine American Der Gelein ein eine Jesus der Stellen der

[ATTACHMENT/ENCLOSURE]

Superior Sup

Subject ... Changes I for Cat. 25 131 [A Best Fantaria by Edwar.] I shomas Edwar has exquir visited Darmany as if accompanied by a shadow of the hard separatular of the Mar April Woold as if it words over the separatular light of subscribed America, the attraction of which for the authornostic German fole allowed something to flow out of the common of allowed something to flow out of the common of allowed something the flow could give absorbed speak on what subject allowed great of suplain electricism. I have absorbed speak discharges work unique taying on account of illust succentrated that apparaments. On heavy : I have generated the brains with the souly sufficiell buildings which of (the things the could be sould be buildings which of (the things things) sow were expected of the Roman and O seeks architecture.

D on architecture like everything else ikke Germans do not show instruduality. I key are good emitetur ikat is all.

They are good insula summerous Berlin factories and

- & the status of the Saberatory | Thomas A. Edison!

It was told to me that the aim of the German

In that instance it is then my opinion dust the Englishman represents the leighest blossom of

manlood, as well bodily, spiritually and morally.

mobility was to make money without asking how. A great business greed seems to fredminete allows.

[ATTACHMENT/ENCLOSURE]

"Estison/New York" Trom/the Laboratory/

Thomas A. Edison! Orange;N.J. I do not join in the Canontation that the Germans will turn the business world. We have nothing to learn from the Germans leit they leave much to learn from us; so far for the words of the doctrines of I howas a. Edison. At the that we can be satisfied. I se nothing is more formable than to be underestimated by ones political and business enousies. And when Mr. Eduin as a stude of Englishmen that he is, does not wish to learn anything from us then we will have to look for a lot to learn from him and our businers associates in the world market. It ow many individual thoughts spring up by contact with strange thoughts . Over this Mr. Elien need no most break his head which is most inventive

than smark. They are preatly not been thoughts like the shadow of which have been expect labely

> Innuslated ly Judury 1 llth.

ly the New York World

() A		edison hotel esplanade	
44 11. 1031	hamburg=	1799	Sefärdert ben ./ 19
ben / 19 Uhr PR	Telegraphie des	Dentschen Beichs.	an in Etg
burd for fix	Mamburg.	Telegraphenamt.	burá)
40 b bu	dapest 4. 8605 7	1 27 4-20-	

as you are about leaving europe we tender you our most hearthy greetings and wish you and yours a safe an plasant voyage we recall with pleasure the few ours passed in your company and hope likewise that you will retain for us a friendly remembrance

good bye to you your charming wife and family etienne de fodor and francis jeht budapest kazinczy utca 19 +

. .

Thos. 1. Palson, Day. . Elalement is C

Press you have stated that in Switzen Austria Hungary woman are hitched no with I have three Huntarians in my employ who positi have never witnessed any such partormand of their will agree to this is that where a small fag on con has his with land the con while he holds the play
Will you thinly state whethereven Will you kindly state whether you saw any thry involves assarts, and if so, where?

A reply will treatly o'lited our humble servent.

Virg. Dinisinoil.

21 ... Tor

E. BIEBER - HAMBURG

JUNGFERNSTIEG Nr. 9 ECKE NEUERWALL

BANK-KONTO VEREINSBANK

FERNSPRECHER:
GRUPPE VI.Nr.5511

August on the outside of the outs

HAMBURG, DEN 15 Wormbu 19/1

To Thomas It Tairon few york

Dear Fir

They to send you odiffered Tholos, which I had the pleasure to take during your visit in damburg and well to very literal to hear from you how they are liked by you and you family. I houst you and you family thought you divine to order some more of them, getease we the numbers to him I her price of each photo ordered would be the first price of each photo ordered would

Clam Sir your

very sincerely

Spieber Hamburg

THE Tryp

MON 2 6 Redd

Herr & Bictor, Könige. Hoffelograf,

Jungform string, 9 Hamburg , Garmeny

Lean Siri

house received your fewer of the 15th authors, together with the fine different photographs which you so builty towards to me.

Aller and to there to gone any thomas for these for these facination, our to day that they are the finest accomples of the photographic and that I have been seen.

your very buy

BudapestiÁltalános Villamossági Piészvénytársaság

Sürgönyezim : EGYENÁRAM. TELEFON 3-52, 3-53, 3-54. Budapest, December 12th.1911

Mr. Thomas A. Edison, Orange, New Jersey, U.S.A.

Dear Sir:-

I beg to inform you that our General Director, Mr. Etienne de Fodor, received a registered letter to-day from the Bardi Co., that repaired the Daimler automobile that you hired while over here, that if our Co.does not pay the bill of repairs within three days, they will sue us for the same. I may mention that we have written several times to Mr.

Léonce Girardot of 18 Rue Troyon, Paris, concerning this affairalso to the Daimler Co.Limited at Coventry, England, and to Mr. Monnot of 31 Rue Daru, Paris, while up to now nothing has been settled, and we are now menaced with a law suit. We beg you to write the responsible parties a categorical letter demanding the fulfilment of their obligations, and thus have us freed from a matter that does not concern us, and in which we only showed our good-will.

We can assured you that since the Daimler motor was repaired, we have been continually molested by the Bardi Co. who did the job, because the parties who are responsible for the payment of the costs of repairs have been showing it from one to another. I remain,

Leanis Jehl

Pleating & 13AT - (French Edicon)

December 12, 1911.

7067

Mr. Edison;-

Letter from Fodor received. Cabled

Monnot

"Girardot Budapest not paid. Annoying to friends. If won't pay, cable and I will pay.

Edison."

This is rotten.

I am writing Mr. Bodor the facts in the case, and that you had turned it over to Mr. Monnot, immediately upon receipt of the first letter, but that owing to Mr. Monnot's delay in resugning to Surope, the matter has set evidently been attended to the first letter by the month of the month of

I am also writing Monnot on the subject.

I am quite sure that Monnot will be able to straighten this thing out without loading the burden on you.

I am writing the Navy League that you will accept the Honorary Vice-presidency of the League. It will do us a lot of good. It is made up of a lot of excellent men.

Harak:

Ed-7 rup

Pauléni,
REV. W. R. WERDERSTOON, D. D.
Seenleit,
REV. BOSALO C. MACLERO, D. D.
Saperistendad and Treasure,
REV. WILLIAM P. C. CAP CS, Ph. B.

Audies,
Mir. H. H. Harrettie, New British, Cl.
Ant., Judies,
Mir. F. Ray, Westington, D. C.
PHONEL, LENGULE 165
CARLER ANDRESS 1. INNERFITE

International Reform Bureau, Inc.

Pletfere sod Progress: "The laterarized Reform Bareau ascha to promote these Christian aslesses on which the charders socialistically subwhile threelige-life differing. It receives economics to all associations that stand for the dalarea of the Sabban and unity, for the superessisof intemperate, sambling, and solidation composition to the substitution of subtraction and escentiation for both inclustral and international sur-

of intemperate, sambling, and political correspons for the autoistation of sublinution and concellution for both industrial and international war."

A Bureau of Lectures, Literature, and Law for Promoting Moral

REV. ISAAC J. LANSINO, D. D., General Secretary REV. M. W. THWING.

Oriental Secretary, Ticuisia Prop. San't, Zane Batten, D. D.,

Mes. Wilnus P. Crapps, loneiry Missianty Secretary

Office Secretary, Mrs., Rosa R. Phinnilla

and Social Reforms
206 PENNSYLVANIA AVENUE S. E., WASHINGTON, D. C.

December 13, 1911.

Mr. Thomas A. Edison, Orange, New Jersey.

Dear Sir: DEC 14 911

NO ausiyib

ing of yours to the effect that alcohol had no more rights in the human system than sand in the where of machinery. The liquor pages than sand in the where saying that "natural where you had been a so not lead to drumkenness; of alcoholic poison and produce a temperance people". This was published in the American Browner's Review of September 1st, 1911, and just under the heading "Edison address the wine region of France."

As these two statements do not seem to agree, I write to ask you if the quotation it correct any fairly represents your opinion. I am enclosing two leaflets giving some of the conclusions of European spointwists on this subject, and in another envelope I am's ending you what I think you will say is a very calm and moderate statement of the arguments against moderate drinking, published by the American Tracy Bootlety.

Thanking you in advance for the courtesy of a reply, I am-

pervented quotation 3 stated that while the unes of frames of frames had only 3 or when the much that while the way of alcabal they dreamly to much that they want to get enough alcabal they want of the way of the wall of the to stanforty them well get a

TODARU COMPANY
THE WESTERN UNION TELEGRAPH COMPANY
25,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD The Owner TRANSVITCH OFFICE THE THE THE THE THE THE THE THE THE TH
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our WiU.S C.

THE WESTERN UNION TELEGRAPH COMPANY 25,000 OFFICES IN AMERICA. DESCRIPTION OF THE WORLD EXECUTED THE WOR

lent you 17/26/11.

Cable Monat.

Say

Pay Down Bardy
Buda Parth show immediately
Chaving my account want
stop shit
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Leut NPM 17/26/11

Cable . Fodor as follows

Have instructed Women't My Paris agent pay Bardi Bill - A Paris agent Sorry for annoyance, Dannier agent a rascal,

Edison

BudapestiÁltalánosVillamosságiÍléxvénytársáság.

Sürgönyezim: EOYENÁRAM.

TELEFON 3-52, 3-53, 3-54.

Budapest , December 29th. 1911.

7.C

Edison Laboratory, Orango, New Jersey, N.J, U.S.A.

Dear Sir:-

Mr. Thomas A. Edison,

Mr. Etienne de Yodor has requested me to acknowledge the reception of your favor bearing date Dec. 18th. inst., and in reply to the same wishes to inform you that Mr. Monnot of Paris has already engaged a lawyer here to straighten out the matter pertaining to the bill which the Paimier Co. have been dilly-dallying about so long.

From letters which we have received from Mr. Monnot, we surmise that it is his intention now to settle with the Sardi Co. first, thereby liberating us, and then wind up the affair in Peris with the responsible parties. We also confirm your cablegram which we received yesterday, "have instructed Monnot my Peris agent pay Sardi bill sorry for annoyance Daimler agent a rescal, Edison."

if. de Fodor wishes me to express his thanks to you for the reprints on the subject of the Edison Etorage Battery, and says that he is very much interested in the same, and will be pleased to receive each issue as they appear. He says that he has already called for bids on a locomotive for hauling coal at the Central Station of his Co., and has specified that the same should be worked by the Edison storage battery.

I remain, Xours very truly

Rekomm.

Yours very truly

| Classification |
| Secretary.



Is serry, that he was only such a short time in your congany in Redarsa. The officers will always remember the honer. We show you a nice trip and a happy home coming. Would fell very much honored to receive a card from you, if this card reaches you Obersteutnood Colonal Nichor Trustruck

Says the overcout of he Valentine was sent from the Hobel (Ungarishe Krone, to the Both Hotel

Anton Umlauft Duckter dow lo h Hofgistens

sugeteill dem Chersthofmersteramtel winds evenicht den bebersochen

ses Mr. Vulentine, der his Schönbrunn Blen, 44.

Montay mid of 14 mobiles mach insurable. In believe who will be the present them the mind who is the mind who

20,1 Wants you to invent a cheaper auto Unimportant latters without gasolin and rubbentires (English 21.) Autograph crank (Bohomian was 4.1 Crank wants answer It several 22.) Wienna woman Autograph crank letters written in 1908 and 1909 5. Beggar asks for an old Dynamo edo 24) Passionake Hungarian woman States Cr. 6.1 Wanted to see you in Bookin about or 25.) Vienna Autogr. Cante. new machine, which takes its power from austrian Sutogs. Grank The air, as inggested by you. 27. / Baggar. Old Woman, sick with spinal) A student in Vienno dates for an Statograph descare and paralised legs. Name ug 8. 1 Beggar asks for money to get married 28) Autogs. Crank, Bavarian woman 9.) Wanted to talk to your about magnet. 29.) Beggar Drugist can not make out ism and a magnetic motor . is her business and needs sweet 1000 marks 10.) I less of 15 bulmits a Forpedo - scheme witer in engeish. 30. / Autoga Crante, writer in Coopersh. 11.) Offers his cooperation for making Halicopter 31.) To 30 years old and offers himself as advisor through Termany and to Somerica 12. 1 Boggar wants money to buy. 32. Beggar woman with a sich husbana place in an asycum and & Ohistory, writes in english 13.) A woman wants a conventionse & 33.) Au complyee of some Electro- Technical Institution start a chicken-raising business. in Vienna wanted to see you or have a few 14.) Wants an Antograph . lines from your hand 15) Crank, dreams of sea-lide-motors 34,1 Vienna Stutogr. Crank 35/ Vienna Studogs, Crank 16) Wants a job; has no special Trade 36) Peruvian girl Autogr collector. 17 Autograph - erank 39) Berlin - woman 18/ 400 38) Inventor of safety attachment for figing-machines asks for assistance 19 Beggar wants money to frish The greatest, most celebrated inventions 89 Les Angeles woman Autogo Ceanty

55. Lilly postry by a Berlin woman Gorman woman Autogr. Erauh. 41. Perfectual - motion Grant 42 Beggar asks for 50 marks 4 & Beggar woman with 6 children, is afraid 57 Antogr. Crank 58 Wanted you to come to his shop to to have to commit Suicide , if not helped 44 dutogr. Crank (Vienna) look 45 59 young Berlines of 23 wants to be your 46 A spiritualist wanted you to come private secretary or Experimenter and teach to Leipzig and god a place for her Son you german 47 Vienna Sutogs Clank Whost the European papers say about 48 Berlin noman Autogr. Grank The Great-Powers submarine - boats young inventor of rotary engine and 61 Hungarian woman Stetors. Grank 75 % noiseles gun offer to pay you for Berlin - rumou 63 Brussian Army-officer placing his inventions. Bokemian Autoger. Crank Berlin woman 65 Has lost \$ 10000 by speculating at the Lacouron Stock - exchange and oaks you to give it back Berlin woman wanted to see you 66 datogr. Ceanh about an invention 67 Lost his hands is a flowermill and afterwards 53 Dresden woman Autogr Crank his porture by speculation; wents assistance young Berliner asks for money 68 Begger wants help to patent burgias proof lautors to learn to fly. L.K. tagueru NEW YORK OFFICE: No. 110 EAST 2310 STREET. DRANGE TELEPHONE, "311" ORANGE. ИБW ТОРК СОНСЕНТРАТІНС МОРКВ.

THOMAS A. EGIBON,

CHARLES GATCHELOR,

10 - Soko Mes Edward take up a mortgage of \$2500 on has property in Borlin . 71 Wienna Statego Crank 72 The Editor of the Austria, ong stubition paper is theles bego to be at your disposition while is Vierna Beggarwoman, 99 years old asks for charity 14 of Hamburg schoolboy wanted to 75 Wanted to show you a new Wouted to see you about a gaz Surbine and . Selmin 77 Dadicates some (beex) poetry to your reverence? 18 Wanted you to take them with you to Anie Yang woman wants advise how husband of 36. ght get up in the rould after many failure 80 Old woman wants you to invent something to kill cattle quick and paintenly 31 Has found the 6th sense and would experim you on this subject 82 Sutograph - Crank 83 Modest beggas wants \$ 45000 \$ 4 Electr. Eng's Student; Enthousiastic admires, wants stutos 85 Autogr. Cranh Composer of the Edison - March 87 Invitation to come and see the picture okono " Edition Wants an Antogr. from the Rige-Reverend Mc Edis. Invitation to the Cafe Solison , Vienna ; first one to have Electric 90 Vienna Autgr. crank 92 " Berlin "

113 Wanted you to take him along with you. 97 A minister Sutograph-cateeter, 40 years Experience 114 Aufgraph- Crank (Namburg) 98 Wouth Sutograph as Souvenir of your visit to Beelin 115 Beggar asks for a Tramophone. Beggar wouts money to send boy to Electricion -116 Beggar-woman, husband dead, 4 small chillien, sick old 100 Berlin Autogs brank 117 Invention for cale, concerning fine metals, too imported 101 Actogs Crawk from Mains to be lost 4? 102 Wants to build a Cement house near Balin 118 Autograph cranks, Borlin girls 103 . What Thonograph reproduce talking in print on Balu Stulent 120 Inventor of night life-saving busy wants to borren & Type-neiter 104 Bohemian Autoge Coank 121 Muremberg Autograph - Crank 105 Wants Autograph on Enclosed pictures and 106 Vienna Satry. Brank 122 Uncerta marted interview, no object stated Budapeat 123 Exalted Vienna Woman Lacks up to the magnificant goodshike, greatest gonine of to certify for an Antigraph! 107 Patentable ideas for tale: The lafty apparatus, substi-124 Recommends his son 174 years old civil - cupiness, Surveyor, Paran tute for Rulbertires , Lapty-hatpin, mousetraps of glass. 125 Boggar, concumption, out of justition, flunky, former comployer 108 Austrian Autogo crank died, while abroad with him, affait of will , family a dieder at 109 Wants accumulator for attenuospheric Electricity before 126 Statograph-count, Vienne 127 Sustinus Stattering - Kitter , 18 years old , Bego amusingly f. the Tograph 128 Vienna beggar woman, 6 children, awaits the 7th lungsick. 129 young deaughteman, 19, two years apprentice ship, wants job 130 Crank ; proposer to make water combertible, classic years. to Keep a fixing machine in the air by Electromy netism 131 Experimenter on talking-machin discs wouth hely, mount 132 young calinet makes in Vieuna wants a job. 133 Begs your grace for an Autograph 134 Twenter of Rat & Mice externinating deine wouth Encoure 135 Wanted to see you in Paris about improvement 136 Berlin Antograph - beggar 107 Business eard of breeder of diminutive dogs

94 Towertor of improved daigible airship wants

96 Austrian (Styrian) Autres - Crank in

95 Kas made a shaving attactment for Home-Thomograph

money to bried new model

109 Autograph - Brank Borlin

111 El fan-motor Enthousiaste

110 Kas an old Amati - Cello for sale; \$ 20,000

112 young Hungarian wants to come to work here, com without por

Edison General File Series 1911, Exhibitions (E-11-44)

This folder contains correspondence and other documents relating to Edison's involvement in exhibitions, trade shows, anniversary celebrations, and meetings of electrical and other industries. The selected items consist of letters from Edison associates such as investor Arthur Williams, along with correspondence containing substantive marginalia by Edison. Among the documents for 1911 are letters by Thomas Commentford Martin and others concerning a ceremony at which Edison was presented with a cubic foot of copper "in recognition of the stimulation given by your inventions and discoveries to the use of copper all over the world."

Approximately 10 percent of the documents have been selected. Invitations that were unanswered or routinely declined by Edison have not been selected.

ATLANTIC CITY EXPOSITION

THE YEAR

JUNE 15 & OCTOBER 15, 1911

BOARDWALK AND KENTUCKY AVENUE ATLANTIC CITY, N. J.

Mr. Thomas A. Edison,

JAN 12 211

Orange, N. J.

Dear Sir.-

Your favor of the 13th inst received. Will be very glad to see you at any time you find it convenient to call. Trust you will kindly advise when you are coming, so that I may surely be here to see you. Yours truly,

Saharatas

ELECTRICAL SHOW

J. H. HUNT, Chairman M. I. COX, General Manager

OHIO STATE UNIVERSITY Student Branch A. I. E. E.

Mr. Thomas A. Edison, orange, N. J.

Dear Sir:

As you may note from our heading. Electrical Show on the evenings of May 12 and 17 in the University Laboratories.

We have about 15000 square feet of available floor-space, including a main floor 120x90', two balconies and several recitation and other rooms. We are planning to give a show comprising historical, educational and commercial features, and hope to make it the best ever held in Ohio. It will be extensively advertized thru out the city and the surrounding territory. There will be no charge for exhibiting space.

We understand that you are interested in such exhibits and have had an historical exhibit of great interest at previous shows, we would be very gladto see this exhibit ourselves , and to show it in b our exhibition.

Thanking you in advance for any information you may be able to give us in regard to this matter. I remain,

Yours truly,

NATIONAL ELECTRIC LIGHT ASSOCIATION

OHN F 151.
CHICAGO 165.
PHANE IN TAIT FRANT
DAYTON ORIO
OPHIUM IN MUSIC PAR

REMOUTIVE COMM

Orange, N. J.

this side of the ferry or tube.

Dear Mr. Edison:-

I am very glad induced that you have consented to be present to receive the cubic fact of corper which the leading producers and consumers of copper in America desire to present to you on your return to America in recognition of the stimulation given by your inventions and discoveries to the use of copper all over the world. This coremony will be very simple and briof and I think you will find the little nick-mack quite an interesting object. It weighs 486 rounds and is as beautiful to look at as Mt. Blanc. The presentation lumcheon will be given at the New Grand Central Palace, Lexington Average and 46th Street at one P.M. and Mr. Meadowcroft has promined to deliver you there in good season. If you will let us know what train you are coming on the New York Edison Company will have a machine to meet you at

Spoaking of the tube, I heard a good story the other day. One of the students in Columbia College was asked to give the political and strategic reasons thy Mashington orossed the Delaware. His amorer was that the subway under the Hudson had not been built, which after all is not such a fool proposition as it sounds. At any rate it brings Orange/to New York than perhaps



you enjoy, but the rest of us don't mind.

With congratulations on your safe return from the innocuous perils

of Europe, believe me,

Faithfully yours,

25.00

ARTHUR WILLIAMS FIFTY-FIVE DUANE STREET NEW YORK

11th October 1911

W 10 -

Thomas A Edison Esq Llewellyn Park Orange N J

Dear Mr Edison

The enclosed tologram from General Harrica, as President of the Association of Edson Illuminating Compenies, reached no just after you left this afternoon.

We expected the General here to great you on babulf of his Association. He is at the Atlantic City Street Railway Convention, and this word will explain his absence.

With renewed and many thanks for coming over today and thus contributing so signally to the success of this Exposition.

very sixterely fore

(Enclosure)

[ATTACHMENT/ENCLOSURE]



e17P.Sx.75. 6 ex. Atlantic City, N. Arthur Williams.

Atlantic City, N. J., Oct. 11, 1911.

V. P. Assn. Of Rdison Illuminating Co.

55 Duane St., New York.

Unexpected change in convention program compels me to remain here am much disappointed at the upsetting of my plan to be with you and to join in greeting the great man whose name is writ large and enduring on our benner. Will you present to him my personal and official compliments and give expression to the regret I feel because urgent business prevents my being of the company to-day.

Geo. H. Harries

Prest Association of Edison Illiminating Companies.

1145am.

THE WESTERN UNION TELEGRAPH COMPANY.

24.000 OFFICISE IN AMERICA.

CABLE SERVICE TO ALL THE WORLD.

The Concept That All The Concept That I have been compared to the Concept That I have been compared t

The W. Bilz Sand Mixing and Sifting Machine Co.

1314 FINDLAY AVENUE NEW YORK CITY

October 25, 1911,

Lr. Thomas A. Edison, /alley doad,

Dear bir:-

Some time ago a newspaper article came to my notice in which it was stated that ! at a banquet a cubic foot of pure copper was presented to you, but, which, upon analysis proved to be nothing but a composition.

I have been experimenting for some tim on the youring of pure copper, and have now in readiness a plate about three and a half inches square and one and three eighths inches in thick ness cast in the pure metal as it is received from the mine.

If you are interested, may I take the liberty of sending the sample to you?

Yours truly.

1911-(10)

The Evening World

no Alexandrio.

School Dally Everon Sunday by too Press Poblishing Company. Nos. 83 to 6

Princed at the process of the princed at the prince

EDISON'S CUBE OF COPPER.

APOLEON said: That you cannot outsumber the one brain,"

I First, fress Northern of Main then commist that replie uttersense: "In a green of Main then commist the replie uttersense: "In a present of Main the said that the said to be said to the said to the said to be said to the said that the said that the said that the said to the said to be said to the brain of Northern I. La Place or a Kopelon. A superior brain is a
treasure for the community, provided the brain is put to work to
solve the problems of the present like."

Wast Dilloon by his various described irrestines has done for the acopter trade and, therefore, for the rate, was synchrolized at the tuncheon opening the Dilectrical Distriction by a cubic foot of copper at the trade of the Dilectrical Distriction by a cubic foot of copper at the true of the Dilectrical Distriction, the cubic foot of copper at the true of the Copper of the Copper of the Copper of the Copper and copper of the Copper

Exceptional minds, writing upon matters, have wrought great They have made enough regulator for every not They have made enough regulator for every not fast field at Vanishington show that in the country the business has increased 600 per cent. since 1500. Serpollet and his succession made increased 600 per cent. since 1500. Serpollet and his succession made out in this country, while the production was his work of the automobility and last per advantage and any field in the bloods. Serpollet and two free productions are two first per advantage of the country, while the best per size of the country of the country

the world's sugar output of anove ten, minust ossi their dyeing in-German chemists have increased the returned of their dyeing industry in a single generation from 80,000 to about 840,000,000. The Hall process for the reduction of aluminum found an annual production in this consisty of 61,821 pounds in 1890 and make an annual production of 7,100,000 pounds in 1800 at one-third the old

price.

If aristocracy is a blend of blood and benefits, whose claim to it equals the great inventors?

SERVITUDE, AND SERVICE.

Mer an work too much, or too lists.







Edison General File Series 1911, Family (E-11-45)

This folder contains correspondence and other documents by and about Edison's family. Included are letters pertaining to the financial difficulties of Edison's sons Thomas A. Edison, Jr., and William L. Edison. Additional correspondence with Thomas, Jr., discusses Edison's alkaline storage battery, country houses, and the Illumination of Christmas trees. One Item concerns Edison's plans to visit his daughter Marlon Oeser, who was living with her husband in Germany. Other documents relate to members of Milna Miller Edison's family. Included are letters about Robert A. Miller, U.S. Postmaster at Ponce, Puerto Rico, who died in 1911. Also included are reminiscences from Clara A. Avery and other family friends about Edison's childhood.

Approximately 50 percent of the documents have been selected. Most of the unselected items are receipts relating to the periodic transfer of funds from Edison to members of his family. These include a \$1,000 monthly allowance to Mina Edison, \$200 to Marion Oseor, \$150 to Nellie Edison Poyer, \$100 to Simeon O. Edison (subsequently reduced to \$40 when he moved from Ohio to New Jersey), and \$50 to Nancy Elizabeth Wadsworth. In addition, there are receipts for a \$25 weekly allowance to Sarah F. Stillwell and for \$4 in monthly rent payments on behalf of William L. Edison. Also not selected are unsolicited offers for genealogical services and other unsolicited correspondence, as well as duplicates and variants of selected documents.

January 3-1911

Some Des Prictions - 18 M.

Ching & Fry targent

Durch advance is a first 3000

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[ATTACHMENT/ENCLOSURE]

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Received	from Thomas A. Edison
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Nollia	Orange, N. J., 1/22-1911 19
Received	' from Thomas A. Edison
Received	from Thomas A. Edison Turnty 1 5 - Dollars
Received	

And I know water deap But and Declaring Bo- Described Breader Declared Breader Dear St. foold a cultipart of the Thomas of Scient France William Portes or, Orthich was not hand process to the Representations of the Company Orthic was fold to the whole with hand much man begin whe Type which was held till the first ratural Bank of Proghkupuic



I would not sign it as the paper formed a company - and sout Unities personally to mine ofthe gave the stock holders the right-lo-Luy mire street at frice paid for stock bought by them. The The letters I have you may see Company hald the Bank wild in application, One of the Comoli-me offering a typic for I have letters from Mr Palmer my stock thill you kindly have my stock hangened. and Mar Johnson relating to the stack, Brick proces to to taken I hold the Certificate, und i out - of the Band when the hu wan, to see some will liare Process and demonstrations were it with a broken - The little satisfactory - and at-lived-time Came from the The letters came old subscibe had the rightfrom the Edison Johnson Electricis to bry more stock as I have stated Manufacturing Co. 2029 Park Row Bld. The Gramed gentlemen peroli-likal-"at have beamed they were at the Chen were datisfactory-but develd Since /22 Mest = Kindly attend & this not-sign then, I have heard they Mrs P. L. Van Wagenin 560 W. 179 2021- n. 4. City-

Edison Auto Accessories Co.

49 CHRISTOPHER STREET NEW YORK

OFFICES AND FACTORY
49-50-51 CHRISTOPHER STREET

EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG
ALL THREADS

TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. Y.

Have just received the books - and 9

wish to thank you very much for some. I have been away and the books were in the Sythera been away and the towns office for some time and for this reason a hour office for some time and for this reason.

you were very fire in any alatiment and ?
have been unable to find a single thing that
we at all detrimental. In first the alutiments
to at all detrimental. In first the alutiments
that reached me were extractly rotten lies and
that reached me were extractly rotten lies and
that reached me were extractly rotten lies and
to not exist in any form whatever in your
do not exist in any form whatever in nyour
book. In fact you about touch on the subject
book. In fact you again for some and
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westing your a happy and profesour year
westing your as always

Smeerely yours will Edison

salishung me

THE WESTERN UNION TELEGRAPH COMPANY.

2,000 OFFICES IN AMERICA. CORRESPONDED AND CONTROL OF THE WORLD.

Design of the Control of the Control

12 fam. 1911

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mi mman to man mother for the first of the second of the s

January 15, 1911.

Gentlemen:-

I regrot to rouble you a second time with a request of 17 111 this nature, but I find that I am obliged to.

Some weeks ago I asked you to place me in communication with Mr. That, A. Edison Jr., which you did, and he wrote me a letter dated at Stevens , N. J. asking that I send her there certain matter. I sent it in a letter, but the letter was returned to me by the railway mail service with the advice that it was misdirected and, upon examination of the post offices here I find that there is no such office.

I have an important matter to be settled with Mr. Edison Jr. and I ask that you kidly kindly, with the stamped envelops herewith sent mail this letter to him, to the end that I may fond exactly where he is and hear from him.

Trusting that you will give this matter immediate attention , and that I will not be forced to annoy you further in the matter. I am

Edison Auto Accessories Co.

49 CHRISTOPHER STREET NEW YORK

OFFICES AND FACTORY
49-50-51 CHRISTOPHER STREET
TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. Y.

MANUFACTURERS OF
EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG
ALL THREADS

Doar me byer -! would it be asking you too much

to have the strange battery people send me a sait of ignition batteries for my toat? Here or any of the old style cells would do and I would of the old style cells would do and I would of the old style cells would do and I would affect the using dry cells when everyone have duel to be using dry cells when everyone from that the Edwon battery is the best mount that the Edwon battery is the best and think it strange that of all people on the ruise, I don't use them. I don't care to the ruise, I don't use them. I don't care to the ruise, I don't use them. I sodye some time getting a set, as I wrote Dodye some time getting a set, as I wrote been favored with a reply cago but have never been favored with a reply cago but that I may receive a favorable

reply, 9 am, as always

sincerely Edison. will Edison.

123/10

[ATTACHMENT/ENCLOSURE]

51

Jan. 35, 1911.

Mr. William L. Edicon, Salisbury,

Maryland.

My donr Will:

Your favor of the NUrd inst. has been received. Just at the present time I do not see how we can send you a set of ignition betteries, because we are so far behind in filling orders for the same that every cell we make must be sont out to a sustemer. When the situation improves, I will be very glid to take up this matter and let you have a set.

Yours vory truly,

FLD/IW

William has le

Edison Auto Accessories Co.

EDISON DOUBLE SYSTEM PLUG
EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG
ALL THREADS

MAX 30/11

my dear Father -:

Thought 9 would write and find

out if you have any money to share, if not all of the amount, as much as you feel able to part of the amount, as much as you feel able to part of the last call mour as with. It is getting near the last call mour as with the segin to lay here in trahmany and brids will begin see how I can purchase any I can't pursibly see how I can purchase any for brids as I have yet quite a aum to hay for this or I have got the fifting up I the house here and the teople went their morey and I have to come up and want their morey and I have to come up and want their morey and I have to come up and

that all there is arrangly four hundred dollars at has cost me nearly four hundred would and 9 to fit this place up in limbble condition and 9 to fit the entire form has been uptown today that the entire form has been uptown today that on of the thousand.

Pretty rotten luck to spend this money on the place and not able to purchase it as we there and I the aummen will have to get off at the end I the aummen will have to get off at the end I the rung as the new purchaser would want the Parm sight we are on, it being the best on the Parm sight we are on, it being the best on the Parm

Edison Auto Accessories Co.

49 CHRISTOPHER STREET NEW YORK

OFFICES AND FACTORY
49-50-51 CHRISTOPHER STREET

TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. Y.

EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG
ALL THREADS

I had great hopes in selling enough Phenoento and gras to purchase this house and these and eggs to purchase to but it looks now occurs - or 500. For the lot but it looks now occurs - or 500. For the lot but it looks now that quill have to want for runned years that quill now and good as this and unboutliely location as near good as this and unboutliely location as near good as this and unboutliely location as near good as this face would estamly be too bod, as 9 like this place would containly be too bod, as 9 like this place and would be unling to attack but if its impossible and would be unling to attack but if its impossible and would be unling to attack but if its impossible and there is no not higher all the time and going up higher and higher all the time and young up higher and higher all for hundred for 500. house t all, will rall for two thousand. The very right form is selling too thousand. The very right form is selling to those of the access and not half as appoint as this place.

your loving son

426/11

Jam, Will

Edison Auto Accessories Co.

49 CHRISTOPHER STREET NEW YORK

OFFICES AND FACTORY
49-50-51 CHRISTOPHER STREET
TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. Y.

Pres 1 - 001

EDISON DDUBLE SYSTEM PLUG EDISON MIDGET PLUG EDISON PRIMING PLUG ALL THREADS

my dear Harry -:

Samy to trouble you, old man, but

our colored man Tom, has just received word that his sister to nearly ill and he wants to leave for his home by the Thursday noon bout and he will near home money than we have on house as if your well more money than we have on house as if your well more money than we have on the Thursday and the chick so no to get here on the Thursday and the chick so no to get here on the Thursday and the chick so not affect the tray much.

Thanking you for the above fovor, I am.

Sincerely yours

1/28/11



Milan Chio Febry 8 1411 Opened you by mail to day former Rectures of old house and negative. and some old small ones - Hope the new gones will Suit Jon nice White view-The wenden has been very cloudy for Taking pictures which Caused the Kelay -Julia is very Compagiotty hipless and Seems to rumain in about the same Constition but of course is failing all the tome_ But I have got the quans less I gum my one Cur had. Secon to all springs from Knew down and nothing to show for it. There not a blimish no seveling and no pain. Just a perfect teter & shore to mina when she was here Some time ago. And reked hunto speake to your about a hot in the Combing how which Stands to your Fastin then is four grave on it. Our Dunham - 2 brothers + a Distor from Chollien theris no one to Claim it but forand of Course for wie not use it. there is soom for two they say the on the lot therete for do some I amy & Editors

Alice Kolyn news Camillion St.

Alice Kolyn news Camillion Sout
Alice Kolyn news Camillion Sout
Alice Kolyn news Camillion Sout

Touch from me of your allest

Ocal Form of the fattymbon

wites to am y a Thompson

asking him though him up and

then surprised to lean that

m Thompson has the certificate

which he mails about for Talway

thought I might be able to

realize something on them is

Mr 9 a Edison_ Laboratory West Grange Will sur left me pennsylers.

Will you please let me benow if

I can do anything with them if

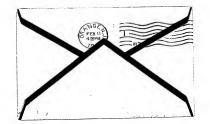
I get them front the Thompson

Hoping to be an form you soon

regarding their matter.

I yours sincerely

Coline



FAMILY 240 Herkinus St Holzere Hamilton Out Canada Thops I have not offended you, I only nauted to benn if ? am in need. Your very sorry your smurely

J. a. Edison Esg.
"Laborating"
West Drung M. Jusiy

THE WESTERN UNION TELEGRAPH COMPANY.

CABLE SERVICE TO ALL THE WORLD.	
24,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD.	
24,000 OFFICES IN AMERICA. This Company Table North Teach Bull Land Research Company of the Com	restage.
This Company TRANSMITS on the properties a message back to the sending station for comparison, and the Company only by recogning a message back to the sending station for comparison, when the chain is not preceded in writing within a	sty days
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Lewis Willer Suporable for Zitter

Mina or myself to

Come Edware

Justina M. U. 7. Co 7/11/11

103 Law. (Ex.

Moneoe It w Fieb 23 Mr Thos A Edison Dear Sir I recil yours of Reb 17 th and delivered it to Mr Edison this afternoon it was a surprise to them and very acceptable many thank: from there I also wish to thank you

and may God bless you for your kindiess
Very gratefully
Mrs H A leager

august. here iunted Passerman Cordi to when the army mannewed. In the counce of the morning he said. Mins Gorham I want to Flran a Francin -To our suprine the has guerented as the daughter introduce you to an That a Eduran: a mame of american the rife of a Which enry american is fully Guman officer, Sirul - Clesser ground and to hear it that In Lad notited the little morning mes almost like lady in White earlier in Cahdaing the stars and stripes the day but as she has of our Country's Flag. lathing in the hint animated My son The is an Interne at Johns Respetim Midwal Deport made the little Shotograph manner in the German-ih did not occur to us that

The lord be when than a

accompanying his I formicd to send one to hime Cerson. Crethave list her address. you are a gretty trusy man for trifes like this: but the clipping from his am: Karald furnishes Vine au address and the any case I thank you or your Decky for the Commisse my later and Sicture may becure. and beg to attend my diniere angratulations for the aurmory referred to Dinderey Janes Mrs Geo Es) Jane Pour Gorham

My dear Harry with to Sond out

If you have heard anything about

Father going to Florida this year.

I may want to run with manage

to pas him proon. But of course it
he has gone there is no was a

taking the journer.

Let me heard a good heath as even

you the Beat of god heath as even

lesieve on e

Homer & DISIN yr The a. Edim Orange. N. mucing that you are ted with the writer, I will introduce whelf by oarging that dam a son of 7 WEdin found that for a munter of sean I have been an authors of The National Jute to. I wish to hundre a request that for fresumering and mumoral. Init is this That I want ale automobile, and the arist my salary will unt fermit of the gratification of Lucy alkaire. I own must home the sut it is very few lugnings That I can a food. I hand been told that you proses several imachines and Thinking you wight have one that you could or would dispense with, forhabs and would give it to une. If you feel that soulean could with This strange regnest I am the you thou The writer and his family will be lever las drate Jul, and that sout Kindness will to fully appreciated by mo. Will for Kindly let we hear from Respectfully Your

Friends Mw Clara makedelf, also Driggiour the cold home with the Kitchen outhersde Hill Elinik Dr Travers level Conger Close

JRA MILLER

Clertric Magans R. BAILEY & CO THE LANSDEN CO. 1634 WALNUT AVENUE NEWARK, N. J. CLEVELAND, OHIO March 2 1911 Mr. Thomas A Edison Orange N.J. My dear Mr.Edison:-My experience is that a prospective buyer is sections of the city,pleas and they are not equiped nor are they cars of business wagons. The Garage business proper I would be glad to have yo the enterpriss. Last fall when I was at the laboratory ed to be very well up on cement over from New York who see building construction and he had with him and was showing you several designs of buildings and thinking possibly you have some of these dssigns on hand which you can send me along with other suggestions you might give I ask for them. My idea is to find a central place where land is cheap and

desirable and put up a 100 by 200 FT.Building,2 or 3 stories

high.

Au 4/5/11

#4302-4th. Ave. Brooklyn, N. Y.

Thomas A. Edison, Esq. , Menlo Park, N.J.

Dear Sir:-I am the owner and holder of 5 shares shares (Common) of "The Edison, Jr. Electric Light and Power Company" for which I paid \$10.00 per share for the Preferred, the Common being

given to me as a bonus. These I purchased on the 16th.day of Ferruary, 1899 and it was intimated that you were in some way connected with the chove corporation, as a person would be led to believe on account of the name "Edison" being used.

The corporation, as far as I have been able to learn, never done any business, nor did they intend to. I shave endeavored to locate them, but so far, have been unsuccessful. As I am a permean and need the money badly, I appeal to you as being in some way, indirectly, responsible for this evident fraud.

I am told that son of yours was one of the moving spirits in this matter and that you have made good these claims.

Am prepared to substantiate the above, as I hold the original certificates of stock, which I will forward at your request.

Your early attention to the above would be greatly appre-

ciated by,

Yours very truly, Garnes.

I PAY FOR MYSELF

Jun . 4 (1)

W. G. FULLER

The Fuller Automatic Twine Reel

That has moved me to write I you he regard to ancester my mother holds to The I dea that you must meet a way to it a great many limes and about it weeks also many limes and about it weeks also my sister was reading your Boyhood days in a small paper Called the Class mate which stated you came from ohis, Then she was freeting you were in some way connected to her folks, huve the letter. and here is what she till me to write you.

Grand Tather Edion was a Revolutionary Soldier, had 4 sons. Luther. Nathaniel. James, and Alden. two daughters. Sacrecia and Fetria, my Grandmother on my mothers side was Lucrecia Edion and they moved from N. y. State to Ohio when I was a half grown girl, and I will be 89 years old the 9th of april. This month.



W. G. FULLER

The Fuller Automatic Twine Reel

Grandfathin seter Laurie Edwar Married John Hawook one of The signer of The Melaration of Independence. This is Tall I Can recall at present but if you could name some of The Old ones I might remember

AURORA, ILL.

Theme. My name is Rachel Fuller. my Maiden

Hant was Taylor. Hy Mothers ingaing it would please her Very much and she would have some thing to occupy her mind she can not have some thing to occupy her mind she can not have good enough to read and all she has to do is to six and think + plane for the Children which is to six and think + plane for the Children which seems to enjoy her very much hoping to hear from you soon as Convenient

I seed stamp for riply. Very Truly

N.G. Fuller, 59. N. Highland. avv./ Ourora, Ill. Jenote the within Portion Roy Property and Nowwood any estations of this Solar St.

my due mount of the start of th

10.91,

have not written you for as long. I feel you will be able to stand there few lines to without much trouble.

First of all I think I will tell you how I have devoted my time this past winter have been two them to me the past winter to meanly be not construct pome to at to a construct pome to at the total them to a construct pome to at the total them to a construct the total them to a dead y worth; it to worth with the toward how a beautiful to the toward nor at the toward worth able. The Con I got in Philadelphia was my only lope and even this was amy only lope and even this was my only lope and a worth all to present last the toward of the confidenced. The transmission was entirely gone - all the transmission was entirely to the transmiss

My dear Father -) have not written you

the one I had was cracked the other three cylinders were badly worn but figured new was cracked the theoretic chindren were baily worn. But figured they ought to last at least these thousand silves las after a cornidored the Engine base good a phape as I provide a could make it. I wastalled it with a frame a common that as the Manne was enthrely to come for a could be a superior of the could be superiored. The company of the such than a contract to company the such that a could be such a such a nadialor on the Car as the such and the form of the larger one of had and the frame was two larges one the sum of the sum of the sum of the company of the sum of t englured everywhere for a shaft drive transmission but in every politary case they were too large or too small. they theme was constructed for a certain thank man case and there was the thank man to the same thought but they are thought but what I could early never thought but what I could early the theme. procure a transmission of Bomekund-of Food Believe Dwould ever have gone

mu Bachman sent me a new eylunder for

when the mice weather comes it will be dread full to think we commot jet away; I love the Counting and I wount to pec it I man fault well agriffed here to peck I I am fault well agriffed here to been an in Sent class condition, and a good Can knowed last time many grean, an or acreation of the sent the formed in eventhing I have.

After reading this letter I know from the life made in the great delta in handlar am jour neating our ability in handlar and cut cutomobile and I much here you will feel there we will give I nead cuttomobile and of only hope you will feel there will not the great different and love and care I will give I nead cuttomobile phould you be as known and agive mesone.

Beatrice and I both cand our best love and wish you all builds of good health. Hope you will come down some day

· to see us-

affectionately your son

4 an (?,)

Mr. J-Lo. Edison Dear Sin.
Thinking for some Time of railing year about your bedies of railing year about your bedies of a relation this point the first and my father when the father there were trying your miles and my moiden was Booking the English, Millier, Moiden was Booking the enalt of Bath, Well to Manie James Joste of Bath, Well to Suffain why I write you, so many have said of he was my courty I went See if he did not think

he could send one of his Phonograph, it would be a geod and in the encirity in thick we have my through it is sery feel of maries but he raid if you answered it would be a refusal, others say it may be a refusal and it may be a Phonograph, if you ful time to reply be with all tenous. If we were able to beg one it would be the Odison,

Man Sora Hinman Brookly, v O + 9 162

RECEIVER AT

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DA

Will F.

Copy we diving the property to the form of the property to the

My dear Mr. Edison:-

I have just come from Washington, where I met both the President and Postmaster General in the interest of Mr. Robert A. Miller of Ponce.

I was surprised to learn the charges of misappropriating the funds stood against Mr. Miller, said charges having been threshed out six years ago, prior to Mr. Millers last appointment. This shows weakness of Mr. Miller's opponents in trumping up this old charge.

I am convinced that it is a case of personal animus and that there are no just grounds for Mr. Miller's removal, and especially under charges that Mr. Miller would have difficulty in answering, if he were removed for that reason.

I have done all that I could do to straighten this matter out in Washington, but strong influence has been brought to bear for personal reasons to have Mr. Miller removed and a Porto Rican appointed in his stead.

It is a long story, but I will have nothing whatever to do with it, if I were not convinced of its injustice.

I writs to ask if you will not use some influence to delay and give Mr. Miller a fair hearing.

This I do knowing your interest in the Miller family, and believing they would countenance my step in this matter.

Very sincersly yours,

Alexander H. Leo,

Ocean Grove, N. J.

To. Mr. Thos. A. Edison,

East Orange, N. J.



Mr. Thos. A. Edison,

East Orange,

[ATTACHMENT/ENCLOSURE]

Robert Miller

TATTACHMENT/ENCLOSURE

Frend Degrows, out of Polar of Carlos of French of Carlos of the United William of the William of the posturales at Ponce is the of the posturales at Ponce is Marketing of the posturales at Ponce is Marketing of the pay begins to any using the form of growth of all of carlos of the had grown a all of carlos and hope that he will get a square deal, appoint a few of the posture of

Ywace sign



9 Chorles

Boston Mass My13-1911

Thos A Edison

Llewellyn Park Orange MJ.

Anything but packard pierce best peerless or suplex good feel strongly about it Have written.

Chas Edison

Mi IE Oll

Aughar 16= XM dan SM Siller: I must & learn as com as praise for my mether as my In has about they one out the rent guits as mell- and fer-Laper the coping may help him Still you knilly yet my chief the you neix I me as quickly of this as praidle I'm any t always he no euch a kinch-hot Illopes in a family take Enrything ou has - I Rope I gm an moke - 1 my linearly your Toger

20m, (4)

John line at 443 Vallot St. St. Thomas Out. Can. a feader of the St. Thomas Journal,

My invitario to the second of

WAS A COUSIN OF THOMAS A. EI IS hy

The Late Wm. Yokom Came From Bayham Township-Funeral on

Smally
The remains of the later Was, Vol.
on, bein met and had been and the later Was, Vol.
on, bein met and had been and the princip of the later o Snuday

Fund For Mrs. Volum

A manuscr of the control of th Fund For Mrs. Yokum

WASS 1011 WASS 1011 BECEINED Burlongton - N. ct.

Dear Mrs Dyer your letter to Brabner was necessed and weboth appreciate what you had to pay concerning the Ford automobile matter - We have decided to accept the proposition as ataled by Fether in his letter to me - (detailing & a week from our income) - There to one point however that 9 thought it beart to bring to your attention. which is very on attention - which is very on possible to be attend to be not a local to be begations - Father apoke of a Run about as bearing the least thing for us - But I don't be here he putter understands our position here - a Run about is gutte out of the gustion

for our negunements - you are my Dyer mothing to delivered to us have the for and get everything - auch as gracenies. Ice. express packages and hundred and out other resessition Besides during the pummer we most always have pome of our griends within a us and it would priemas when a man a free water handly be guite the thing for usto go out the a ride and leave them at horn a which of course would be necessary if we only had a Run about - I have orwestigated the whole matter very carefully The Ford Towning Can only beight a few the more and only about 20 difference in price - the pame chassis is used for all their Towning can complete in Ny.
Newarl and Philadelphia is

and purchase the outfit twe are mighty anxious to get it as poon as the car as no one knows hady in need we are of it. I would like to deal with their Philadelphia Branch as it is closer to us and more convenient for us in the Falure form q to thear from you toom.

f.s. Father paid to get car and change pame to him - But dont see how 9 can do this without an order of some kind

<u>رک</u>کو

May 25, 1911.

Mr. Thomas A. Edison, Jr., Burlington, N. J. d'y

Donr Tom:

Yours of the 24th inst. is recoived, and I am sure that there will be no objection under the dreumstances to your purchasing a Ford Touring Car instead of a Eurabout as your fitting at first suggested. The outfit with the extra tires will amount to \$655.00, according to your figures. You might see the Ford agent in Philadelphia, and I am cortain that if you show him this letter and say that we will take charge of the matter up to \$655.00 he will book your order and deliver the car when we could him a check-

Yours very truly,

FID/INW

Prosident.

EBANK L. DYER. MAY 27 1911 RECEIVED.



Philadelphia - Pa.

My dear mr Dyer - Your letter was_

necessed this merming - I came down here this attended to case about the auto and the agent reluces to broke the order without of theck - So I had them make out a but go the Toming Can and There and they cont it up to Onange this afternoon. Our grown as they receive the check they will define it for the order they will define the can to me - If you will got go that he is done not ply no Both rice and go will both appreciate it very

greath. for un soubtidly your realize how glad we will be to get the Con as acon as we can.

I had the buil pant to Thesa Edwin Druller will receive it in the morning. I hope this to cit.

Or poor as we are alle to will the the weather than the rum up to Change and Janoanall thank you for your kunden also in the matter. but them are and form us both believe me.



May 27, 1911.

Mr. Thomas A. Edison, Jr., Burlington, N. J.

My dear Tom:

I was vory glad to got your letter of the 26th inst., and am sorry that the agent was not willing to deliver the car until a check was sent him. I have just called up Harry Millor and have told him that it was all right to pay the bill, so that I do not think there will be any difficulty.

I look forward with a great deal of pleasure to seeing you both when you come.

Yours very truly,

FLD/IW

Non lora

PINE GROVE COLLIE KENNELS, LAKE RONKONKOMA, L.I., N.Y., June 19, 1911.

To

Thomas A. Edison, Esq.,

12 Lakeside Avenue,

Dear Sir: -

orange, N.J. Markettin 20 911 I beg your pardon for intruding, but some little time ago, I took the liberty of writing you in the hopes of selling to you a fine Collie puppy. I, however did not get a reply.

I sent you my catalogue.

Just now I have a number of very good Collie pupples, bred from the finest of stock, males \$20 each; females \$15 each.

They are in perfect health and condition.

I give full authentic certified pedigree.

I guarantee them to be exactly as represented.

I ship same day order is received.

can I not interest you?

Hoping to be favored with your order, I am

Jury Tom

I wand to know all your folk in Imlan Chio, and togin I tell folks out here Mout I knew your people there they will knew and act as if they did not believe Mr. I know the Balooms the Edisons your father in the summer lime used to come as often res one amonth to the farm and take dinner at our place, and me used to call him unde Sum you mother mas a short herry Let moman your father a tall mell built mount in Mara Baleon

about - Eight years, I am outwas a tall large moman m here all alone and not very Balcom mas tall and Slander mell off but have my hom. your Sisters mus Marian & I told one of My wighbors Harriet your brothers mame the other day that if I was it was D. itt. the Balaoms names so old and Twoor I'd have one of your talking machines furt because you invented mere Marette and Nancy charly and Hum. I don't remibee any Mar. your Lister Marian Married Homer Page, and now what I mant you to do is to rouch for the write Mariett Balcom Marsel Joel Me a letter that I can Smith a farmer now you Show to people, well I guess See that I know all your I have written enough please falks but have it seen you answer this letter and oblige Since you 14 12 abut 8 or 9 years a bet I remember your deal a long life friend of the family and accept My best makes hoping little Eliza she died when your you May live to be a hundren of do lots more good God Bless you fold lived in the Brick house on the lop of hill above the cand from Mrs Me & Bridges there is no canal they now all 230 / Boomer Street Tacoma filled in , we are all folks now Tommy I am older than you

they fall the you mad been in destroit - Mich but I know be ther you mad a whom you follow hime in the brick house on the trief in Mulan Ohio. P.S. they that you pronounce your name God - soon and I tell them that - your fathers name must be pronounce of Godian how do you pronounce of gover name now. I hope I have it nevered you with they long letter.

"Thomas a Edwar New York July 15-1911
"Thomas a Edwar New York

When are you Coming

Marion, Mulhansenels

Leave angust second

Sur W.V.7 C.

from Ours from Alea.

Jest 18

Fran Consein Alea.

Jend a letter

Jenn your seriel for from Milan.

Telling one you were going rebroad
in august. He said I shad better write

+ ask you if I could go to helan to

lin in your kneed as you have

this daughter will not occupy the

home omich longer If you have no
after plans for the letter frame I

would be more than glad to go then

to line as it would seem like youig

hack to my childhood days of should

he very hope by there or hake your and are of every thing left there. I wish you a pleasant verige or a sufe return, soil he the prager of your Consin Lygic.

1819 East 557 At-

us by sending the check on Inesday so us to reach here by brednesday monisty. We have an important belo to meet afail the money must be betterming on the where day. Thanking you

for the above favor, I am. Sincerely yours will Edwar

7/22/11

THE WESTERN UNION TELEGRAPH COMPANY
25,000 OFFICES IN AMERICA.

CABLE SERVICE TO ALL THE WORLD

Be comy transmit of the third was only the state of the third of

----- Non-

A. J. WHIMBEY LITHOGRAPHING AND PRINTING

OFFICE 45 St. Secrement St.

LABELS OF ALL KINDS, SHOW CARDS,

MONTREAL July 28th 19d1.

Mr. T. A. Edison,

Orange, M. J.

anny

Dear Sirt-

I duly received your letter of the 6th instructurning enclosures sent you with my letter of the 30th June. It may be as you say, the letters were "faked by sceebody" but in order that you may judge as to that I send you a photograph of one of the originals. Your memory will be very short if you gorget either your father's handwriting or his phraseology. Moreover I did not send you the copies without having at command such documentary and other evidence as would prove their suthemicity beyond the shadow of a doubt. Perhaps you will now see that your first impression "faked by sceebody" is not only premnture but incorrect, and I extend to you the opportunity of further considering the guestion of your interest. Failing to hear from you within the next few days I shall conclude I am at liberty to make any use of them." I think fit.

I am, Yours Truly,

1 Enclosure.

[PHOTOCOPY]

1884 St Clan Com Dear Su - I received om you handle my Petter stating ther he would be york to very by the truth of my alleg tum as "hattener is not energy cohamited but at in letter dyficiety in arriving at a have eveneste that my son was in nte for a costain length of time doct as without seeming a recent or no evidence in your books that he has ever he reason that fying sent him home without hencely and after union agreed in an intervenue and you in your office instance to they me when une a for good og wal hered

[ON BACK OF PREVIOUS DOCUMENT]

Tais in the hardenting of James Symington - Great of Samuel.

The wring is not that of my father & bears not the slightest sceremblance These Sam. Will

Pluse send check
this week to General Dalwing
annapolis, Mangland. We are coursely
around the bay in the motor bount
for a few weeks and well be in
annapolis with Sunday
Energy
hold Edison

August 3rd 1911 Gift 1/2 Sunshmudt Norry Stock 4/2 \$50.59500 To following artificity of stock of Edward Roung repl Hortey presented to Mor Ches Edward on his twenty first berthley. Suguet 3rd 1911 \$27 for 50 schools 1911 117 158 10 100° = \$50,575.00 Cert #27 - 50 shares @ 100, 5,000.00

1 56 - 1333/4 ... 100, = 13.375.00 117 - 154 ... 60, = 9.24000 114 - 158 ... 60 = 9.480.00 125 - 10 ... 157 = 1.570.00

5.05 3/4 \$ 3866500

\$ 38,665,00 St

Plus Hatt Stal ean mu Bachman ill do me a very quest anos) interded to mention the matter to you while in Onange The other day But it executed my mound nxious to get africe like the tracomfranying 24.438 I have no possible way of getting it down here - and I need it way ba in pomething 9 am working out - to you have anothing who this around the phop it were had now out wonderflely - giel will tall you what happened to our lattle Ford Car-) arm all broken up over it. I thunk it was cheatful bery faithfully your latcher.

Mi Miller was felled.
This order was felled.
Thus order was felled.
Thus order was felled.
The matt charged 2567
Miolar

Completes
Completes

RECEIVED.
AUG 8 1911
FRANK L. DYER.

Burlington - N. J. august - 6th 1911

Dear Mr. Dyer - necessed a letter from Mr. Holden in which he atter that you have placed the automobile matter in his hands - be both matter this very greatly Mr. Dyer Mrs. Ball confident Mr. Holden will

actuatment - we certainly miss the little can discolfielly. A Ew days age) necessed these on Sold letters containing orders. I believe In Batteries - I spew them

to all he can to pecure a patrofactor

to Mr thill to take balk to Onange and placed in proper hands. Suche them I have received the enclosed and would like to know where

letters of this kind not intended for me Scan be forwarded in the Siture. Evidently these letters are Important and Nam acony these should be such a delay.

Lushing you all burder of good buck - with less wishes - as ever bery faithfully yours

517

August 8, 1911.

Mr. Thomas A. Edison, Jr.,

Burlington, S. J.

Dear Mr. Edison:

Your letter of the 6th inst. to Mr. Dyor has been received, as well as the letter intended for Thomas A. Reison, Incorporated, which was sent to you in error. Any other letters of this kind that you may receive can simply be sent to "Thomas A. Reison, Incorporated, Orange, N. J." The Heiling Department will then receive them and they will be sent to the proper department for attention.

Mr. Holden will no doubt keep you informed as to the progress he makes with the garage in reference to your Pord, and I hope this will be replaced with a new ear or arranged in some way so that your ear will be like now.

You's very truly,

Private Socretary.

8/10/11.

Delaware City, Del.

Harry Miller -

Send cheen at

once general delivery

Wilmington, Del.

Will Edison

W.U. J.Co. 8/10/1, 9.20 a.m

gam 8/1.1.

EN Yoursely with

my dear Harry -:

to leave here by Thursday in order that Blanche may reach been such rester not late them sinday and if you will please eget chick have by Thursday morning would be greatly obtained

Smerely will Edwarn

Burlington n.g. (2)

10 - 1 mily working Nachmiston O.6-Mr. Jam. a. Edison Mendo Part, M. L. lung. 28 1/911 Sleav Rin; I have just received a letter asking me if I had been noticed an advertisement minted by moself or your representatives, mixing information with regard to the when about of a lady buy much of mand of these was any survey for reach information. I do him think, in fach I know, - I never have noticed any such add same nothing would the neather In thinking it was however, it seems brek to write die the to you. I have you will parden me if I seem intuiting but if it true, I am sure you will be glad to hear, and, if you have him strand any such unhappiness - I am also sine you will be glad to say so. Now, about the lady referred to by my carespendent Her name is mis stelle Joena Hill

She was born in Kerry 3- Ireland Tabout 47 years ago. Lume to this country - when about eleven years of age - (work 1875) Landed at Castle Parden, and lived in the vicinity of the Battery - for whom h " year - and then moved with her parente to Reline, alkansas. Her farente are hired in Musica Cometany - Memphis Tennesser. She made any unfortunate and unhappy maniage and to come estranged from her family. The has a changeter named Elotilla - now about 15 years olds. Of present This unhappy woman - is twing in the depths of mixing and poverty, sick and broken hearted - but too friend - to les her keaple tune her condition. In well tune from the facts stated about whether this lady is known to you or not I can get my other information - dates, romes, or facts - need of to identify her - necessary. Now, before I close, I would like to say a word - with regard to my informant; who is my our rister - It may seem atrange to you - what, any one - traving an apportunity to do another a good Turn - should first look to the mercenary part of it Such circumstances comitimes atter cases, and in This case - my reward for such information - would In like the "last straw" to a drawing man - Vagof you will pardon me . - Me sister and muself - come of a family - once weathy - und inferential = and very closely related to our late President from mortinles -Stocks - in Wall Street - got a larger fortune - and our father died penniless - leaving & children my rate was educated in Colleges here and in Europe + Then made the same sort of a marriage as Maso Hill - I have lived a sign of minery to make with for its win present obeing a violes - with me while the fortune, such approxi the the sign of the si filme and it is through her association in like constition - with mostill - That The heave aware of the fact, that mis Hel had once, like ourselies - seen happine Amore prosperandayo. Curs family is all separated. Floch to each other - + + unable In give a helping hand to were those we love - vão this matter has appealed it me - and I hope and pray it is sall true - and That this lady is really one you love twants - 400 her unhappy days as least, would ever forester, In my went, believe me, Mr Edwar , a Enieve admires of yourself - your fine life , your work your thrights to our comfut of pleasure - Tallow one to subscribe me eff - I linear friend (mm) Watildo - 6. Convey, % mo Chas Trustney 129 300 St. 11. E. 6. 6. Western houn

mile make roughing so much more unifo in and much nine loyal also please dias me ywask nu. Inhu to have on Ownagaznes which mu Edison to librally Las monthly boy of Reends addressed grow us each year Expires wish Edison Jr Thank you as rry word for your rero ready assistance this Octobre issue, and as no doubt they will be rememed as also for your time infreading usual, will you kindly seed ow many regrests . Sam as neual 'alu aye oh same Little Beatrice " that and name is ruleied as Edwardy , wiele ad of It. It will The melned letter came yesterday the 29,1% - hearty quetings from us

deaty queting from us



Setter enclosed was from manh in Stockhops

THE Family Tongs.

PRESIDENT'S OFFICE

Memorandum

1990

mate 10/4/11

October 2, 1911

Mr. H. F. Miller:

In a letter received this morning from Mrs. Thomas A. Edison, Jr., she asks that the magazines which have been going to them be sent in their own name in future, instead of in the name of Burton Willard. Will you please arrange this.

F. L. D.

Portn S

5 1

Octobor 3, 1911.

My dear Boatrice:

Yours of the 30th ult. was duly received, and I have had the two things done that you request.

As soon as you and Tom get definite estimates covering the improvements on the house I will take up the matter with Mr. Edison, who is expected to return on Saturday of this week. As I teld you, it would be well to have two or three schemes prepared, one covering the obsclutely necessary things to do and the others more in detail and elaboration, so that if Tr. Edison damages that he ought not to go to too much expense he can know exactly what must be done.

Regards to you both.

Yours very truly,

FLD/ITT

Mrs. Thomas A. Edison, Jr., Burnington, H. J. ROWIN G. MERRILL, President.

AUGUSTUS W. KELLEY, Pice-President, JOHN V. B. THAYSE, Pice-Pres. & Scoty-BOWARD R. MERSITT, Pice-President, CARROLL C. RAWLINGS, Trust Officer.

HENRY M. POPHAM, T. W. HARTSHORNE, HERRY M. MYRICK,

Anion Trust Company of Rew York 80 BROADWAY

All Communications should be addressed to UNION TRUST COMPANY OF NEW YORK, P. O. Box 1015 Cable Address, "UNITRUST."

New York, August 30, 1911.

Mr. Thomas A. Edison,

Orange,

New Jersey.

aus 91,

Dear Sir:-

Our records show that your son, Charles Edison, became of age August 3, 1911, but before paying one half of the net income to him, in accordance with the trust indenture. executed by you for his benefit, we call your attention to the following clause, which appears on page 3 of the indenture:

*Provided however that if from any alienation thereof by said revivate nowever that it iros any statematon weever or state the net beneficiary, or from any other cause whatsevers, the net income herein directed to be paid to said beneficiary, or any part thereof whall, or but for this provise would, at any time become payable to, or pass to or for the benefit of, any other person or persons than said beneficiary, then said beneficiary's right to receive same shall absolutely cease and termine."

Please advise us if we shall commence paying the one half of the net income to your son, Charles, and oblige

OGB/RWM

Write teller a certicoring payment to Charles of 12 &

Edwar a James Steers
· - Our /11
Mario Grand Co
Musin Fruit Co. Jan.
Lette: of august both please colonies former to Sing Don Charles Edicion
who became of age august 3" 1911
one half of the Had intime of the bonds held in trust by you for lime in accordance with the trust budenture
in accordance with the trust industrice

Ed- Jon - Semen 98 Glemvood Ave East orangel My Dear J.a. I expected to have been at the Leberton before this time and was going to being ges that you texture the imit, I am getting to about one hasf what I cons getting and Can get along on The 40/4 - For which I man a Mondend times Cologed - Of wood better paid in The future The Enf Shad in Dutota Knowed out of husing big money -" Can only banky get about now have The June of ligo may one ever worked on I thinks It! ident seem to Know what is the Matter of Thom . have got hosting to show Hat the Ceast Diemish on them no sweeing or pain - 1 sect on Springs when I stand or walk on them when Letting would had inon that adung thing was the matter with them. The brippe has been a bout all our the and am afried Inother aple to wack about much longer on Thom. feel petty well other will -Yours Truly SEssion

note from the paper your have returned Jum your cacation my also undustand your or some other number of your family have served times adveted to know the order abouts of your stater stella Hill, This Hill who was quite ile last afring and thinking the crosed woth line Confided to her daughter who her relative were and to try to Comunuicate with them the is commutically from on account of her poserty she summe lets any one Know who her feefly are my quite by accident I leave of it " The has heart trouble and liable to Jass array almost any time although seemingly in robush hearth makes her living trading lase -Cuttains at 12% & each there is a Confunid, drundard abusine, and ugly For months she has truit to get money enough to get array from him de has a daughter blother age to whom I can only Compare with a Lily grish bould budding open

Teaulify, in character by Complexion, as frail, and delicate in affermen, while the trajenty of guilo of these days the is very very labelled and your an offertunity, will make herself James as a coloured, the their soys she amo saine in Cartery Came to this Country in her eleventh year line man the Battery It Is a year then " moned to Helen Her Jacento and buried in Met Olive Cenulary memphis Leve, the is 4% pais old I write you for two seasons one is equipally for two Hill " of Colotte the rope you will lake there array. By do Some thing for the So she can trake a living by Jeshap's educate lebelle the other reason is a nureway one If you are intering to pay for the importation of care gre you of can pury you me direct Communication mith This file and Can get you any surformation your may desire for her identity form their much be done from to late her out to the brack tub.

or her day oull be for Some thing ahouse to done to take her from the clutches of a butter man

You may added que to Norona, Poute 4 Box 8. P/o hust Januie Gorden as to your makes in this sulter and once comply with them I reget by own Juneauch Tomotheres make we place this Refore fow in a hencemy light - but a realize that I need all I can get and am a ordow, and a hundred dollars is nothing to your of your are inclined to do any thing at all Surcerely trusting, you mile be able to give this due Consideration It are early date Respect July yours Locused V Nocona Legas Nonte 4 This thee less me very among stones of your hother in freie of a brunk in his boy hard days she claims they did not call you shower at hiper but have forgotten you track reame Lately she heard Some lader discussing your " of Said you were are infide she alread forget hences. Show the thought of hereing " of herein it off. the has guite are inscutive hund also that the horight out a face for for fourthing or where there is no electric application to be run like be run like there is no current approximately a good in Star on the market & do hope, I have one the market & do hope, I have one be the means of lifting her out of her foresty by

REGAL "20" Underslung Roadster \$90

REGAL "30"
Touring Cer . \$1000
Demi-Tonneau . \$1000
Fore-door Touring \$1050
Torpedo . . \$1050

Regal Sales Co. of N. Y.



Phone (7166) Columbus

1670 BROADWAY

NEW YORK October 27, 1911.

*** 98 81

Mr. Thomas A.Edison,

% Edison Laboratory,

Orange, N.J.

Dear Sir:-

Your check for \$100.00 received.

Will have Mr. Charles Edison note sent you

in due course. Thanking you, we are

Yours very truly,

REGAL SALES CO. OF N.Y.

1 ry minan

Burlington - N. J. October - 29 1911 is pudden spell of cold weather has told us most personal that our dear little house will trul be inhabitable this winter as you all know we never travel-our kome is our very all - The house is very old-over one hundred years dates the front part and as foor farmers have always lived here little or mothing Was been spent on the place until we took possession - We love our home and the present condition of it grieves us beyold words - we are cold Our Dyer as Owe haven't a Surmace and the weather boards are blow or of the house and the noof leaks a stream. We try more than you or father knows

here in Durlington. But mow the handships of the twinter are facung to the property of the pro

to been our cares and porrows

various hum a improvements and forwarthy heads both yourself and hather the Mages of fromes another sufficient while agus that we have only estimated on the managest margin for a timele heave at the pametter of the canality and most loyal of all the canality consideration of talkens output. Then have a both you and lather for time a paint upon the public and truck a good took and towns a good took and an array included her and towns of talkens output.



Hamiley - William

Edison Auto Accessories Company

MAIN OFFICE THOROUGHFARE BLDG. EDISON DOUBLE SYSTEM PLUG

my dear Hong -: church !!

well you please send check so as

to reach us by Thursday. as the writer weather is here, yours truly had to buy a suit and some underwear and this has put such a crimp in our financial want that things are on the burn in general. Preferred Credition no 1,784 has a note to meet Thursday and endulty from his pleadings theat, blackmark notes and oriminal intentions, we are the only ones in the world that ever owed him a cent longer than seven minutes and five seconds and he must have the dwargh. Sad. want it? Surcerely .

will Edison

5

November 3, 1911.

Mrs. Thomas A. Edison, Jr.,

Burlington, H. J.

Dear Mrs. Edison:

I gave ir. Dyor your telephone message this morning in reference to the improvements for which you sent him estimates some days ego, and he has directed me to tell you that this has not been forgetten but that it has been almost impossible to get at Kr. Edison with anything except the most urgent and important matters. He intends to see him just an soon as he can, however, and will write you regarding it.

Yours very truly,

Private Secretary.

Jan morgen So compto again district you had merogen it is face Iteolong on to curre time and truly in one greatly moved one to children greatly moved one the Romer Mere wishmed a furnace of the Romer Mere wishmed a furnace of the Romer Mere wishmed a furnace of the Romer Mere to me for any Quinner showing to of you made please tack to mile down you wing no letter we meet by greatly in did it is you Thanking you for our child it is you Thanking you for our continual chis bendance Sam always Continual chis bendance Sam always

[ATTACHMENT/ENCLOSURE]

T MAS A. EDISON, Incorporate

5

Hovomber 11, 1911.

Dear Boatrico:

Replying to yours of the 6th inut., I must apologise for not bringing Tom's letter of October 29th to his father's attention, but I have not had a favorable opportunity to do so. He has been extremely busy with callers from morning till night and I have not had an opportunity to see him about business matters of great importance. For the past two wocks I have also been quite ill, having had an attack of spendicitis with several complications, and the doctor has told me I must go away, so that I an leaving this afternoon to be gone two weeks. I have, however, written a momerandum to Mr. Herry F. Hiller asking him to take up the matter with Mr. Edison and urging him to permit the changes to be made.

Yours very truly,

FID/INW

Mrs. Thomas A. Edison, Jr., Burlington, H. J. PRESIDENT'S OFFICE
Memorandum

Mr. Harry F. Miller:

Tule Town of Movember 1, 1991. 60

intended to take up with More ison before Ageving the water not able to do so.

For a number of years they have confiling about the condition of their house, and the attempts that have here-

tofore been made to make it habitable have meen more by loss tomporary. They now want to have to a number of chalcos made, as indicated in the attached spogar of the following contractors:

Changes in house Water heating New boiler Work in bath-room

Total

250.00 250.00 260.00 216.00 02060.00.

hany of the improvements they suggest strike he as bring more or less in the way of frills and I presume are unnecessary, except that fom and his wife have not very much to think about and would probably get a great deal of pleasure in seeing the improvements go chead. If ir. Edison does not feel that he wants to spend as much as this, I suggest that he indicate what he would care to spend and for you then to write low asking him to have the estimates gone over again so as to come within this figure.

FLD/INV

Cable Address "Edison; New York "

Trom the Laboratory Thomas A. Edison,

Orange, N.J. Nov. 16th 11.

Thos. A. Edison, Jr., Esq.,

R. F. D. No. 3, Burlington, N. J.

Dear Tom:-

Replying to your letter of the 29th ultimo, addressed to Mr. Dyer, your father directs me to write you that he is short of money and will be during the winter. But he will probably be 0. K. in the Spring.

He would like to know what you figure the minimum amount would be to tide you through the winter months? Yours very truly,

O. S. I return the Contracts

It F. Miller

valocan no make the funcice work. I don't want you to love time proving down here het my continuous production Dan Good mer Syer - It pains nor mon than wish that would hear from - I have yn appreciale to bother you mit my wie Lad En mulford out here Remal particularly now when I know your own health is not up to pur. But my dear me. times. It is very grutle whe and Lyn Hully has him truly miser atte at Denaible the futher of fire children tonight worked as though the curis Therefore very conscientions - that you Lad from reached . Tamtuly rome understand dear hu Ryer is not met Isteren doing way particle of my druking, het he has taken a new Louse work and up fack of the nights form of a disease the hernes extreme with that Im a nervous wreck. Our by morrer, Rulky and my my house is letter cold and only at inter

rough and runkind to me. I keep out of his reach while he suffers shere lantiums al. though I don't fran Lim Still Simila not encourage - I don't want to complain to me Edian mutil aborbutely necessary hat do want you to know of the noviment & am silently suffering - I so Lope your Lealth Las improved and Turk you snot joy of senend spirits liping you will leasen us come when for no trouble some foliasate Bulington Ale Steadfast Bealine Bulington new Jusey -

DEN Sir: -Mrs Edian moher me to state to condition of Thos Edison for Her is harring another prusus attach of fam in back head firek - yesterday it heave unbracable so he took some "Boogs" and has then my desagnoodle represely to mo Edison. Mulis their should W some change today Sureld adnor sautamen teraluruh will unte you details Today latre

Ed- Fom-Will

my dear Harry -:

well you do me a Telephone to Varndel great favor? or any other frot class butcher in Orange and find out what they will give per found for young Judays Have about tity which I was to sell and well send them dry prohed or alive. Passible you might sall some to the ladylating people. The livedy the from ten to twenty

response - Stock you till me. Edwin nick to very alouk Dorthe Bill his letters, are all shirate and rure studied out Titl him In yroleidays mail (m. Edin) here are dozen of hours ur received, a letter from theto father in Valio hung to sent hit as resul acking thibly to go at once to Salis fork (Bell and his refor are peoples huy to chaighten Bill out again I would he he me to suffer should mu toyar thety is in miserable Bill mon to Princeton, which health his night car giving him as me Edien thinks mould truly no md of timble and paine he a calamity. Les m. Edison In Lavibleth the Louce in works TRECEIVED receipt of this letter buthy not Equal to excite ment

of Muthy poor Lealth, as his fasher reeds some one to go to Salis huy as once This is prieture by the manner in which Bill Es midely wrote his good fasher It is an artiage for a Son to write Ruch runkind letters and I really ful it is up to both myself and thety to lift all hudens has Bel makes from m. Edien, his dear me Lyre just at this moment por Tom is just holding his own - no one het myself knows the exact truth of shirty sad writched health - It is too sad for nords to watch him fight and thuggle against nature Tom Las asked me to let his fasher know why it is imposes ible fuch now for him to go to Salishing Ro if you will he kind mongh to let me Edison read the letter or convey to him ite con linte Since always to you deblor - Deatrice -Le. 14 6,911



Mr. Theo. M. Edison, Llewellyn Park, Orange, N. J.

Dear Sir:

of Becember 16th, and wish to thank you for your promptness in notifying us of the motorale which was delivered you in error. We note that you are interested in the machine, and take pleasure in memiling you, under separate order to-day, a copy of our 1912 interested with months in the contain lilustrations 1912 fine, and if more decided in the machine, and provided the contains of the contains and the contains and particular point is desired, we are at your service.

Very truly yours.

THE HENDER MFG. CO.

McN/L/13



My dear Mr. Eduon -

May I suggest that you write to Mr. Bolwin M. Ohn - her. Meetinghous B. & M. Co. - home address #140 Shitchmara ave. Begenood Back, On. regarding my moral

character. Both Mr. Edward D. Adams and Mr. Hew have an inturate acquaintainer with my private life - they were frequently maintaged in the many trials thro' which I had to pass and know personally the causes. In

fact they frequently helped no with advice at times when sharp distress clouded my

own horizon. My private affairs, I have endeavored to

keep from public gaze therefore, outside of my family, none but the two best friends named above well aware of the dusaful crisis in my affairs until it had passed.

I can truttfully assert and all who know me much agree that my life has always been conspicuously chan and accupations Believe me, my dear in,

Very sincerty your w. w. nichold!

Dec. 15th/

ATTACHMENT/ENCLOSURE]

My Dear Mr Michals I already hours a history of
your whale carrow, and as four
as I am concerned it is fourmable

Twee Sugn -

Marked Person of

THE V	ESTERN	UNION TE	LEGRAPH SERVICE TO AL	COMPAN	Y Y
25,00	O OFFICES IN AN OTHER and DELIVERS in memory rated Measures, beyond the arres of moder three-law in any case with FED MIDMAGE, and is derivered.	MERICA. CABLE costy on conditions limiting the theilit is back to the ensoling station for cost acts of total paid thereon, merin ear one acro the chains in not persented in writin a by respons of the sender, under the	ity, which have been assented to	by the reader of the following means bold limit flable for errors or daily	age in trans-
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has caused you Januarienty
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may mas—

Mat a change hing to happen in the way of de look check. I am too come for mother has between further lies theorem for Durkington Dance and he Cleaning lonce Than notified me I Shaw notified me I Shaw as here and sometime of mechanics.

national Bank in Bulington

December . 21 1/11

The House of the Ton Jon

I have mot written you

before - as I have been untending most every day to rum up to Onange and ree you but for the past month or no I have been feeling very miseralle and thought it best met to go far. from home - a few days ago I whote to min Bachman - and asked him it he would send us down some electrical material for trumming our little Charotimas Tiere. a letter from hom thus morning informed us that it did not meet with your approval. I don't want you to think thather that I would ask for mining resident into the commenced with anything from any one commenced with your united to brought to your attention and approved by you In the above case I'll did not alk you direct for your the total the the comment of the comme

did not care to bother you about puch

beny appestionately your soon New year and many of them. Glive my Best love to mother and all

a small matter - at the pametime Thomew positively it would be brought to your attention a fact which I always maken whon - 7 write this explaination thunbung that you might mounderated us-be try and make our chustmas as we in and make our Chartman as as Bright and heaft year we can and if your and and the great in truing to accomptible the same by asking to a four of hope you will please handon will go it. Concern in a bulliam and his affairs. able- now mon have I been for cometime to take a trip to Salis Bury Ombo morcoy stoffed off here on his would down there. atemat of the on his was down there and I personally hope he has done what he explained to be no management with aim to be great to great to great the distinguishment of down to be great to great the first of the personal of down to be in the personal of down the little phases night in Sale sum he could have mented usery checkly tuition has caused me me only of the prime to the sale of the prime to the sale of I first started to set him dight am adhieument 9 consider put untiposoisée) hope you all well have a vous

very otherry christmas and a Happy

[ATTACHMENT/ENCLOSURE]

was that twice coe have done that + ouse the cohale batteres was runed on The Railmand by the Express C'a When we get our house lighting antifit worked exp we can get you out so you can Light your houseall W. Jam. Win

my dear Harry -;

Very much obliged to you for getting

information regarding the trukeys.

will ship about fourty to the parties where

shanking you for your trouble and wishing names you gave

you a many amos and a harpy new year

9 remain as always

surcerely. will Edwarn

ا مد. 22 ا

ED- From - Will

my dear Father ..

mcCoy was here looking over houses to rest and he was shown the only secent one have and on which I had

an option one for the hast two weeks. as get 9 hour not sugged the leave as 9 am other

undicided us to what I am going to do. To be very from with you, I cannot see my way clote to stay here for another year and not have any

to that I am no look to be family in fight a fricke with and with and the other or true to be family to the family to the state of the

enso meet, on our infant whether we to take up the mond constructed course on their acting demand for more in this bounds. The course is for two years and

I am quite ready to go about on this proposition. To be tred of in solishing for another year

will nothing to pla, is simply out of the question. The auto business is probably the best opening

here in town as an average of these ears is add per week and the greatest demand is for the light

two and four passenger caus. g have been offered the saguery for the mouthon

(state of bedown) included, but of course the agency contract is nother stiff - 3 cars to be pumbared in order to get the agency one of each model. an connection with thes, the marine enque +

supplies wild be made a good fugury side line.

Lovingly

welliam

Marathon Cars for 1912

MARTHON MODEL. N. 20, Including 4-binary amough 12-bin when James and 12-bin when James and 18-bin when James

THE SATURDAY EVENING POST

November II. (911

WRITE FOR OUR DESCRIPTIVE FOLDER THAT TELLS THE STORY OF THIS LITTLE CAR



THERE IS SOME GOOD TERRITORY STILL OPEN FOR AGGRESSIVE AGENTS

A Fully Equipped 1912 Marathon for \$685

The latest addition to the Marathon line. A snappy Fore-Door Roadster that for grace of design, generous specifications and all-around car efficiency has never before been equalled for less than \$750.

Think of it! A four-cylinder, water-cooled, twenty horsenower motor with much mend of think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they be inclined to think that if you got Rin Command water they have the properties they water they water they be inclined to the properties they water th

list comby - 7cm fr.

MECHANICS NATIONAL BANK OF BURLINGTON

NEW JERSEY

December 26th, 1911.

Mr. Henry F. Hiller

Orange, New Jereey

Ly dear Mr. Miller:-

20 1041 Mary Work lire. Thomas A. Edison, Jr. has asked me to look up one of the checks cent to her for deposit with us under date of August 4th, 1911 which she says has not been returned to you in subsequent settlements by your Bank. From an examination of Mrs. Edison's account with us we find that there was no such check credited to her account between July 31st and August 15th last passed, so that it would appear that a check under date of August 4th did not reach ue. It is the practice of Mrs. Edison to endorse

these checke immediately upon their receipt and transmit thom by mail to us for deposit to the credit of her account, for which purpose she is furnished with envelopes with printed address and there is no apparent reason why such a check should go astray. If we can be of any further service in tracing the missing check we would be obliged if you would communicate with

Yours very truly,

- Duowentimin

us direct.

57

Dog. 28, 1911.

Mr. Thomas A. Edison, Jr.,

Burlington, I. J.

Door Tom:

I thank you and Beatrico very much for thinking of me at Christmus and I approciate your protty and appropriate gifts.

I am sorry to tell you that I shall heave to go away again for my health -- this time to a sentterium, where I expect to spend the menth of January. I certainly hope that when this siege is ever with I will not have to go away again.

wishing you both all bost wishes for the heliday season and with every hope for a happy and contented new year, I am, Yours very truly,





COMMERCIAL CABLES

5 NV N 10

Mr Frank J. Dyer,

Burlington NJ Dec 29-11

Care Edison Laboratory Orange NJ

Many prayers and love for your complete recovery and health and strength.

Thos & Beatrice

1143AM

fring thingh all new tooks and sends no frick on an positivity short a check in Tac Dorhand Bank count our checks in the hands of any one pair the mechanics attinate Boure they much and rollings to a chance therefore and no circumstances therefore under no circumstances

muldreallow any one the Surface Steven to such him - The time this Seculto 31 Pinger Check mas brokered next quetel Mappy new yrans and nas when thety had ne of many many Jay ful Church of his Spelle mish his head and I am too hery to gur one The Season Thought to Line mank -Loping the list there will not cause any disturbance in the Lateralny or any fournal Lenn to you Land yours with

They dear Thr. tuiller The find that I will by turn con runnit to have checho muly Low ruhs seems a long These send This rules

chick so that me way have I farly Saturday me reder I farly Saturday me reder to be some of a little touse Christmas woney in the house Chang than ho fand a turry I man - from
I shaw have Eding

Jac Scom Comments

Una tell you red about

The Benericago of G. R.

Come Solvetter -



rd. June - Wall

Please and check in care of John.
Builington in go and oblige
your smearly
will Edison

Thursday.

no doubt you couridu me somewhat of a nusance but the fact is , I wish to move to the country as soon as possible. I have a fine country place offered me near summit n. I for severity duelous per month the same has a fine house, all improvements and ten acres of land This is the same went that a pay for two rooms to bath in this darm city my furniture is is welmington wel and there is a storage bill of \$55.00 The transfertation charges of do not benow at present, but if you willadvance us \$150.00, Harry miller com hay you back each week at the nate of 1500. A have come to your as several persons to whom 9 have gone for a loan want a hig bours for thee months time, otherwise 9 would not come to you as a know it must be annoying to your. at is my intention to move my

spark plug factory out on the place quent, in the spring so-that 4 will not save to come every day to the city. Kindly let me hear from you as I have only a few days in which to make preferations. at the present time of am paying a long sum for nothing, so to speak, and I have no love for the city and a want to get out to the country in the wase way sincerely Edison Friday morning and the second s

168 STANLEY AVENUE

HAMILTON.

MISS E. L. STILWELL

ECCLESIASTICAL EMBROIDERY, VESTMENTS, ETC.



GOLD AND SILVER BULLION EMBROIDERY, BADGES, ETC.

Edison General File Series 1911. Fan Mail [not selected] (E-11-46)

This folder contains unsolicited correspondence and other documents from admirers of Edison. Included are newspaper clippings, musical compositions, and poetry, as well as requests regarding Edison's life story.

Edison General File Series 1911. Financial [not selected] (E-11-47)

This folder contains routine correspondence and other documents relating to Edison's personal financial interests and investments. Most of the documents for 1911 are letters of transmittal and lists of stocks, bonds, and losses. Several items concern Edison's contribution of \$200 to a charitable fund for the "Poor of Pais." Also included is a communication with J. H. Hunt of Chicago, concerning the North American Transportation and Trading Co.

Edison General File Series 1911, Ford, Henry (E-11-48)

This folder contains two letters concerning Edison's relationship with interval and the proof of Edison's autographed photograph and recently published biography, expresses his "heartleft thanks" for the gifts, and reminisces about his first encounter with the inventor in 1980. The other letter, by automobile manufacturer William C. Anderson, discusses arrangements for a meeting between Edison and Ford in West Orange.

Both documents have been selected.

Henry Ford District June 27th, 1911.

ir. Thomas A. Edison,

Orange, fi.J.

Liv Dear Lr. Edicon:-

take the opportunity of solomovaleding the receipt of your photograph, which arrived during my abcense on a western trip. I cannot retrain from expressing my heartfelt thanks for the gift which I prize all the more highly as it contains your autograph; and coming from one who is recognized as the Greatest of the world's great inventors.

The eet of books containing the history of your life have also been recoived, and hold first place in my library.

I etill have pleasant memories of the day I formed your acqueintance at Manhattan Beach, Aug. 15th, 1896, where I attended an Edison Convention.

earlier days was guined during my connection with the Maleon Company, of Detroit some twenty years ago, and it is to this that I attribute the greater portion of my later encoss.

lir. Andorson, of this city, advises me of your very kind invitation to visit Orange and call on you. I shall indeed be pleased to take advantage of this at the first opportunity.

I feel deeply honored by the kind consideration you have shown and expressed, and shall anxiously await an opportunity when I can liquidate my indebtedness to you.

Sincerely yours,

framp Cord

THE Freeds - Ford

ANDERSON SLECTRIC (AR (O. PLEASURE AND COMMERCIAL CARS DETROIT, MICHIGAN

(mil)2

Mr. Thomas A. Edison, Orange, N.J.

Dear Mr. Edison;

Referring to the appointment with Mr.

we have arranged it as follows: I will leave here Sunday or Monday the 8th, arriving in New York in ample time the Mr. Ford on the morning of the 9th and we will are at 10 or 11 o'clock.

Therefore have your matters arranged accordingly, so that you can have several hours interview with Mr. Ford on the ignition battery proposition, as well as another matter he wants to take up with you.

If, for any reason this appointment cannot be kept, you must wire me ahead. I am very anxious to know what will come out of this and here is noping it will be something that will be of benefit to all concerned.

Yours truly,

WCA/E

ANDERSON ELECTRIC CAR CU.,

Edison General File Series 1911. Foreign Language Documents (Untranslated) [not selected] (E-11-49)

This folder contains foreign-language documents that were not assisted by Edison's office staff, along with others that were translated and subsequently separated from the English-language version. The Items for 1911 consist primarily of unsolicited correspondence from admirers in Germany and the Austro-Hungarian Empire. Included is a letter from the proprietor of "Café Edison," a coffeehouse in Venna. Also included are requests for Edison's autograph, charitable contributions, and advice on promoting ideas, inventions, and careers. A few correspondents offer services to Edison, seek an interview with him, or submit poetry in his honor.

Edison General File Series 1911, Fort Myers (E-11-50)

This folder contains correspondence and other documents relating to Edison's home, property, and community interests at Fort Myers, Florida. Most of the letters are by Harvie E. Heltman, a dealer in wholesale and retail groceries who was Edison's agent in overseeing contractors, repairs, workers, and other matters. Among the items for 1911 are letters regarding Edison's interest in the Shultz Hotel Co. and municipal campaigns to promote the planting of royal palm trees and the building of a recreational pier. Also included are items pertaining to the construction of Edison's concrete swimming pool, the remodelling of his dock, damages to a stone wall sustained during a hurricane, and the hiring of a new gardener to replace Michael Doyle, who returned to New Jersey. Many of the letters contain marrinal comments by Edison.

All of the documents have been selected.

FLI4 eRS



FAMOUR FIRHING RESORT OF TH

Shultz Hotel Company



Panta Russa, Leo County. Ta...

Fsb. 11, 1911.

red +30 16 · ·

Dear Sir:

The annual meeting of the stockholders of the Shultz Hotel Company will be held at the Hotel on Tuesday, March 7, 1911. Business of importance to be transacted, Mr. Chas. B. Hogg, deceased, held a mortgage of Ten Thousand Dollare, and his executors wish this matter attended to. I have kept up the interest and insurance. There is a note in the Fort Myers Bank of over Eight Hundred Dollars. Both the mortgage and note were necessary to liquidate the bille which have been contracted since the Hotel was built. If these were paid off, the Hotel could be run on a paying basis. If not able to be present, Kindly instruct come stockholder to cast your vote.

Youre truly,



PILLING & CRANE IRON, STEEL, ORES, COAL, COKE REAL ESTATE TRUST BUILDING BROAD & CHESTNUT STREETS PHILADELPHIA

m3/16/66

March 16, 1911.

Mr. Thomas A. Edison,

Orange, New Jersey.

Dear Mr. Edison :

I enclose letter received from 0. W. Davis, of New York, in reference to an alleged deposit of iron ore near Fort Myers, together with copy of my reply. It would be rather interesting to find a

large deposit of ore in that section.

ENCT.

I Church it vary likely that there is a big deposit as The Conditions are fine for humonste on my place in leading sout & struck a latter & ft down with 2 in make the struck 45% thousand the sourcestone think 45% thousand the sourcestone

[ATTACHMENT/ENCLOSURE]

For Mr. Thomas A. Edison, Orange, New Jersey. COPY

PILLING & CRANE REAL ESTATE TRUST BUILDING. BROAD & CHESTNUT STREETS PHILADELPHIA

March 16, 1911.

Nr. 0. W. Davis. 25 Broad Street,

New York City, N. Y.

Doar Mr. Davis :

e verit Calder I have your letter of the 12th instant, and note your description of iron ore in Florida. In order to handle this ore, it would be necessary to construct a dock, and probably a railroad, which would involve the expenditure of a considerable amount of money.

According to your statement, there is not tonnage enough in sight to warrant this outlay, and I question whether anyone could be induced to go into it. Of course if it could be domonstrated that there were some millions of tons of shipping ore in sight, it might be sossible to handle it. The people who have gone into Cuba for ore have been obliged to construct docks and railroads, and I consider that quite the same conditions would trevail in Florida.

I am rather surprised to learn of any iron ore south of Wort Myers. I spent one winter there, and have made several trips south of that point and probably over the territory you mention. On one occasion I drove with Mr. Thomas A. Edison to a point on Surveyors' Creek

[ATTACHMENT/ENCLOSURE]

Davis - 2

about 88 miles south of Fort Myers, and we saw nothing but sand over the entire distance. From the point indicated on the map, I judge that this deposit is at or near Surveyors' Creok.

Have you seen this ore deposit, and do you know positively that it exists ?

Yours vary truly,

(S) T. I. GRANE.

T.I.C.



The D. C. Deitman Cu.

PITAL STOCK \$30,000.00.

Tt.Myers, Tla.

March 22, 1911.

ilr. Thomas A. Edison, Orange, N. J.

My dear Sir:

MAR 1975 PT

Under separate core: I am madling you whotegraph of the saturating root. I am clase endosing the continuous services of the contract of the contract of the contract to W. R. Wallace & Oo. and when he had as he thought completed the pool he found upon turning water into it that it leaded. Of course it was up to him to make it hold water and he was put to considerable expense to satisfactorily complete the job.

doing this extra work and I told him very fraulty that you would expect him to crrry out his contract and give you would expect him to crrry out his contract and give you a pool that would held weter. I gave him no semurance winterer as to whether or white you have he was surrounded whether the contract of whether he will now he will be set to the completing them to of whether held luck he may have held in completing them to of whether held luck he may have held in completing the job. I did tell him, however, that when you came down this winter and looked the matter over, it was possible you might take the matter of an additional allowance into countings attent to have lost and the second hundred dollars on the job. I considered this him affeir, however, and not mine nor yours, as he agreed to build the swimming good for a certain amount of smooty.

An it looks now as if you would not come down this winter I thought it boot to send you the correspondence and the various papers in the matter in order that you might look them over and advise me what you desire me to do in the premises. They have done what I consider a first-class job and I ballers you will be well pleased with it.

I also desire you to advise me what you wish me say about the bollme. Shall I proceed this summer, say about the bollming of June, to replace the missing one along the route? Towles sooms to have dropped the matter entirely. The wire frames have all been put in condition by the City Council and the palms that remain soom to be impeded condition. I think all that are left are growing and will live. Do you desire me to go over the ground and makes a list of those in order that you may bettle with ir. Towles

In here had the Reliance put in good condition and sho is ready for use now at a moment's notice. I had her put back in the host-house, which we had to critically rebuild. I also had to spend about \$700 in repairing and robuilting the dook after the storm; therefore I shall be glad to recoive your check to pay for all of this extra work.

Everything is completed and in readiness for your arrival except that I have not yet secured any wood for the beider at the laboratory. I thought that could wait until I knew definitely when you would mrive. I should be glad to have you advise me fully just what to do about the matters I have herewith placed before you for your constituration.

With kindest regards and best wishes, I am,

Most traly yours, Kilwan

F. Myers W. R. WALLAGE. W. R. WALLACE & COMPANY aus II! GENERAL CONTRACTORS. PLANING MILL AND NOVELTY WORKS FORT MYERS, FLORIDA. nut like the tone of their Mr. Thos. a. Edward. letter Where where is the Charest . 91.1 We have here Dear Sir! Chown your Lectio letter to Me Sisteman (to which Mis H. on govoted make uply) regarding balance bee hatting ford ineted for you, and must cay that we believe Tow to be entirely equoran The facts Concerning came Ifully quiting Commercial medbracker. In later we do not wish to believe without further widered foror representative (M. Neitman) substantias Lost Jummer (marly a year ago) we received drawings and specifications from Mr. H. for a bathing pool to be

W. R. WALLACE & COMPANY

GENERAL CONTRACTORS.
PLANING MILL AND NOVELTY WORKS

FORT MYERS, FLORIDA Bruneses; on which he were asked to submit saturate of fost, we were subsequently given The work with Contract and proceeded in good faith to Equente came and ber they discious of making a high class piece of Concrete Construction of our having grand and ound Do be proceeded with the Excession it was found that the lower and stood our a boggy spot not distrable for good footing, and in the absence of the would dance in contract regarding Changes to me referred to your manges in your a four test to thing so to white it was thought first to thing the little of indians to overcome the diffinity. It was onggrowed that we hum all dierged matter and ful with dean Andre rock will rounned, ist doing or We found numerous springs from land

W. R. WALLACE. W. R. WALLACE & COMPANY GENERAL CONTRACTORS. PLANING MILL AND NOVELTY WORKS Dide, and our Experience in repurny the bottom of the Royal plus probable we that the specifications for a reinfor Ced bottom was not sufficient the floor bould have to be waterfronted as well as rinforced . On consulting Mer, H. in Jour Moune before proceeding with these masony presentens we did as we would had you been how and authorized such Changes as Mr. H. assured us that Jow more shapped short of making first class It of any proporation and that being a fair man you would Que on your prival the successfy for same Who this It Entirely Considerable Engineering and Exprese in us which had you been hore Two would have authorized at the wedde on women the work would have gone by default. which was satirely in the province of the

W. R. WALLACE, E. D. STEELE-W. R. WALLACE & COMPANY GENERAL CONTRACTORS. PLANING MILL AND NOVELTY WORKS FORT MYERS, FLORIDA. Menor is a Contract of any importance made where any unforseen difficulty or necessary thenge of plan is made but what the owner hears the sup publich to arbitration Mayor Mr. W. fully apresented fow and assure no that such thange was legiment, V on that ground we proceeded had we thought for a morres Mr Elison would resert to a suttryinge to in order to verage an honorally fortract to would, never have quindled the fort May Sety pays that your discision on very very my now your deal) suffer if he has made i mistate for pliese that your little Judgment will Marine that this is not a parallel case and that the dest is a lightmate one long past due FtiMyers

The Moman's Club Nort Myers, Norida

Uferil 2 yd 198 /

Dear Mr. Idion... has hopen, is her history in her hillary, at both higher, is houch treeding an up to date howy objects for the new of the Jehoch, the flower, and the general public; and some of our newbers are tiging to got subscriptions for the function of the stance of the stance would need you to the historian of the Mational belonging the Abrarian of the Mational belonging, describing their needs, and achough his associon to the lung of the internal hunder the land that they had achough his associon to the lung of the internal hours to the lung of the internal hours there was not the lung of the internal hours there was not the lung of the internal hours.

They till me that the storm of lact thate has done to perceptible damage to the hants of good to met finds with that year for will be no cordence of the little hurman. With tomplements, Ilmann; James James, James

M.M. Wa Hawon - Neident of Bruson fluk Mr. S. Stock - J. . of Shustional familie Mr. Newwoody Johnson -

H. B. NOYER, 2"Year-Per

He H. C. Beiman Cu

. It. Myers, Fla.

April 29, 1911

April 29, 1911

Mr. Thomas A. Edison, Orange, N. J.

My Ager Sir:

The onclosed, which appeared in this morning's Bress is a bad bill for the river-front property conserved for twent for the property conserved for twent for the property conserved for the past week in the intercents of the passenge of this/bill, of which he seems to be the cole muther, and you dem readily see that it would itall the value of most of the river-front property of the term to have our dook fightlitten intacted the 500 deet.

It horefore ask that you join with the rest of the river-front property owners here in protesting against the passage of finis bill to our representative as Tallahasee, by conding him a night letter at once, to the following circuit.

Tallahassee, Fla.

I most earnestly protect against the Riperian Rights bill which you are shout to present to the Legislature, and as river-front property owner in Fort Myers and a tax paper of that community I sak that you use your influence against the encountered of this bill, as I fool it is against the best including of the term, We both commercially and socially.

This, of course, is as much for your own protection as for the rest of us, I have cont quite a few tollograms from here and am also getting us a potition among the citizens here protecting against the measure, and I believe if we all pull logether there is no doubt between all the bill. As I view the matter the privilege of having our doubty valuable and for one and to oft up and any how far we shall run our docks not is riddenloss.

Very truly yours. A

gours A Seitman

F CARRED SEEN

[ATTACHMENT/ENCLOSURE]

LOOK IT OVER.

Mr. Hendry Will Introduce the Following Bill if Acceptable To Ft. Mysra. Below we publish a bill that L. A Headry intends to introduce in the legislature, provided same is acceptable to the people of Port Myers. We have no comment to make at the present-time, no we have not studied the bill, but by request of that gentleman we are publishing the same, us be wishes to get an expression from the residents here. If it suits you, write and tell him. If it does not, send him your objections. At hux rate carofully peruse the bill and let him hear from you. The bill reads:

from you... The bill reads:
An act to be entitled, As net to fix
and define the southern boundary of
the channel of the Calconstanteber river in front of the Chy of Fort Myers;
to establish built head or piter times
therein, and to problish eneronelaments.

thereon.

Wherean the channel of the Callousahatchee river in the county of Lea is not marked or defined unt the ownred or fipartians lands on said river are surrectain as to the time which earlies the southern edge of said channel where it forus after the county of of the limits of the city of Fort Myers;

and
Wilercas, it is important to the commoreo of gafa river and the city or Fort,
Myers, that such channel he defined
and bulkhead and pid, likes he estabished, and all persons prohibited from
oneroaching thereon; now therefore
Bo it canneted by the legislature of

the state of Fierida; Sec. 1, That the scuthern edge of the

THE DAILY FORT MYERS PRESS

channel of the Calenthiatelice river in front of the city of Fort Myers in bereby fixed and defined as extending along in front of and city of Fort Myers, 500 feet from the list of, the bent, shore or bank of said river within the curjourne lituits of said elty of Fort Myers, and than the bubblesod or ples time shall extend to that point and or feetler.

Sec. 2. From and after the passage of this set, and its approval by the governor, it shall not be lawful for any riparian proprietor or owner of lands in the eldy of Puri Jlyras, on the Cholonaluschies river to fill up the subsected lands along the tanks or sheets of said river, or to erect wheneve of the same for, to of all a greater distance for, to of at a greater distance than the knowledge of the same for, to of at a greater distance than the knowledge of the same for, to of at a greater distance of the same for the same the short than the knowledge of the same than the short than the knowledge of the same than the short tha

humin or baueth of solal river.

See 2. Aug and all fills, attreatures
wharren, warndomers or buildings
made, created or constructed at any
nofest in and river more bare
feet from a river more bare
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to a virgation of the city of pin
typers, shall be deemed obstruction to mylegation and nodelle endorsers. My
any he shatched over far it may deem
lost, or by may toxygayer of said city
by logall process.

sec. 4. Any person or persons, firm or corporation violating any of the provisions of this act subject to a fine of not exceeding \$1,000, or to imprison-

e ment for a term not to exceed six months.

Sec. 5. All laws or parts of laws in

conflict herewith, he and the same are hereby repealed.



Shultz Hotel Company



Doar Siri to Leep human the meeting half of 1911, ex-

I have put off notifying you of the meeting held March 7, 1911, expecting to hear from the executors of the estate of Chas. B. Hogg. At the meeting the Company was represented by 50 shares out of 270, so no business could be transacted.

I have heard from the executors, and they are anxious to enter into negotiations regarding the mortgage, which is \$10000.00 6 5%. I have paid the insurance for 3 yrs., amounting to \$728.00, and taxee for 4 yrs. amounting to \$328.70. Mr. Hogs paid one year insurance, which is due his estate. There is also a note for \$1000.00 in the Bank of Fort Myere, which was negotiated after the \$1000.00 mortgage. This note was necesary to finish the work. I have been paying interest on it, reducing it at times, and it now amounts to \$855.06.

I have paid all bills after hurricane, have kept the grounds in good condition, have planted trees and shrubbery, in fact, have done all that was necessary to keep the property from running down. In hurricane lost wharf and part of the walk, windmill, and gutters, and had to run new drains. At the present moment, the property is in better condition than when the Hotel was opened. If the property was relieved of the indebtedness, it would now pay good interest on the money invested. It stands without any assessments against the stockholders, and all there is to



Shultz Hatel Company



Panta Russa, Lee County. The.

settle is the mortgage, with interest, and the note.

Would be thankful for an early reply, and any suggestions you may
have to offer.

very truly yours,

Pres. & Mgr.



The H. G. Heitman Cu

WHOLESALE AND RETAIL GR

CAPITAL STOCK \$30,000.00

H. Myers, Ha.
May 19, 1911.

May 19, 1911.

Mr. Thomas A. Edison, Orango, N. J.

My dear Sir:

Your lotter received and carefully noted. I have been unable to see Mr. Wallace for several days, but as soon as I can get an interview with him in regard to the swimming pool I will advise you of the results.

In report to the Shultz Hotel matter, will say I harly know must be advise in regard to the proposition, as must of the stockholders felt exactly as you did shout the matter and subscribed more to holp it. Shults than in the hope of ever realizing any money out of the matter and to be back to the beginned to the head that the stock when the state of the stock, and I believe a close friend of yours, was the prime mover and insisted upon a good sized house being built. Flans were made and work begun accordingly mining when the cost about 250,000 when completed the state in the stock in the remains great materials.

The work of construction was charted in May and in Movember, before the wines had been completed, he was taken 11 am of the dath only about 13,000 morth of stock had been disposed of and the house and furnishings cost been disposed of and the house and furnishings cost with the large sense to be nothing to do, the mount of the to issue a mortgage on the period of the mortgage of the day of the mortgage, which had been disposed or the principal of the large, which had been disposed on the period to take up this mortgage, which had deep the mortgage of the died, and has been carrying it up to this time. Last mort of the died, and has outed, having no interests the motter of the country, desire to there they to take up this mortgage thmost. He will be a supported to the country desire to have they to take up this mortgage thing. He will be the day of the the up this mortgage thing. He was the day of the country desire to have they to take up this mortgage thing. He was the day of the the day of the day of the thing to do was to place the matter before the stockholders and get their ideas as to the best way to liquidate this indebtedness.

Thus far no plan has been decided upon, though it has been suggested that more stock be issued or a reorganization of the Company be effected, but as matters stand at this writing I do not know what it is best to advise under the

orroumstances. I believe the best thing for the present is to wait and see what the concensus of origin is in regard to the subject among the stockholders. When all have been heard from you will doubtless hear from hr. Shultz again in regard to the matter.

We have been having fine rains every day this week and everything is looking fine. There are a number of quantions that I have saked you in some of my former letters to which you have as yet made no reply. I will appreciate it if you will write me fully in regard to them in order that I may know how to set intelligently in regard to your affairs

Very traly yours, Heitman

June 16.1911 Janda Mght-Message H. E. Hertman to day - Indens left to get unay - Mednesdry -Thou Edwar

SHULTZ HOTEL CO.

O. R. SHULTZ, MANAGER
PUNTA RASSA
LEE COUNTY, FLORIDA

de educar per pued has sur pued by Juno 27, 1911.

Dear Sir:

Since issuing my last statement, I have heard from the Executors of Mr. Hogg's estate. I can purchase the mortgage at its face value, they waiving all other claims incidental thereto.

I have heard also fro several of the stockholders, who are in favor of taking snough stock to clear this mortgage and the note in the bank; then lease the Notel for a good rental.

Would like very much to have your opinion on this subject. I will not be able to put the holders of the mortgage off much longer.

I appreciate all you have done, but I am at an expense the whole year keeping up the Hotel and property.

Assuring you that an early reply will be greatly appreciated, I am,

Very truly youre, L. R. Aultz

To Thoe. A. Edison, Esq.

. F SARNER Secret



Mr. Thomas A. Edison, Orange, H. J.

My dear Sir:

Mr. Doyle moved from your place on Honday of this wock and the now men her been installed. I have gone over everything with him and have given him instructions as to what to do and will follow him up pretty closely for the next 20 days in order to see that he taken hold properly and door his duty.

I paid ir. Doyle two month's wagon in advance and also bought tickets for himself and his wife back to and also conget those in the missis and the Mitor I brenge, in accordance with your instructions. After I had settled everything up with him he can the a freight bill of 31.6 for the recess of his freight on him goods back to Orange. This tree I did not buy for the reason that you gave me no instructions to do se and I samit your advices as to whether to allow this or not.

it is and I feel that you have been very liberal with him as positive instructions from the positive instructions from the positive instructions from the positive instructions from the positive instally no not great the property of the positive property of the positive property of sourceing one flar as I know they may consist largedy of sourceing and things of that kind that he has purchased here. Of course I do not know about this, but looking of two matter from an unbiased point of view, this could cashly be the case.

I would appreciate your prompt advice in the matter and I will write you from time to time and tell you how the new men is taking hold.

With kindest regards to Mrs. Edison and yourself,

I am.

Most truly yours,

画

Uh: D. G. Britman Gu.

CAPITAL STOCK \$30,000.00.

Tt. Myers, To

Mr. Thomas A. Edison,

Orange, H. J.

My dear Sir:

I enclose herewith a clipping which explains itself and of which I am the author, and if, after reading it over, the plan mosts with your approval I should be very glad indeed if you could see your way clear to give us a small donation of say \$25 or \$50 towards the erection of such a structure.

I bolieve it is a plan well worthy the support of all who are interested in the growth and welfare of Fort Hyers and feel it will do more good to the poorer classes here then anything else. I should not only appreciate the amount you would give, but think your endersoment and approval of the plan would have a good deal of weight with our ottisens and assist us in scouring other donations.

Thanking you in advance for your courtesy in the

metter, I am,

Most truly yours,

Mc Neituan

[ATTACHMENT/ENCLOSURE]

THE FORUM.

Use This Column For an Expression of Views on Sub-

FOR RECREATION PIER. Solling Burt Myers Press

Part Myers, Morida. mable comment recently in the col- I have often noticed mothers walkmus of your paper in regard to a pub- ing with their little children walking the park, urging that steps be taken out on the public docks, and it is a by the city to provide a park or parks great wonder to me that through runfor its ofthers. Probably the reuson aways or mistimps of one kind or an-why no definite steps have been taken other, someone has not been hadly property available for such a purpose an extent that there is constant teamthat is centrally located. This is the ing, heavy truffle and automobiles upsituation as I see it, and in view of the on them, especially on the city dock circumstances 1 desire to suggest and it is cortainly dangerous for wonthrough the columns of the Press that on and children to use them us promthe citizens, acting in narmony with enades in their present condition, the City Council, get together und I believe a Recreation Pier such the City Council, get tagether and I believe a Recreation Pier such as holds a Recreation Pier at the foot of I hav described could be constructed

and pleasure to a greater number of elitzers than the building of a subour elthers than a park, because not stantal and commodious Recreation many, live near or have occess to the Pier. water front. It would be cleaner than I suggest the fant of Powler Street those who live some distance from ention for the purpose

go in the heat of the day-Many of our northern visitors have warrant definite steps being taken

 ty little city has no public park, and a ject, and I should be gird to start the · Recreation Pier of numple proportions subscription list myself with a donu-4 architecturally attractive and promi- tion of \$50. Let's hear from others. Our Citizens Are invited To 4 nently located would not only be a a source of pride to each and overy one of us, but would also prove a novel jects of General Interest, & and striking advertising feature for

4 our city. ****** Amother way in which such a pier could be used for the enjoyment of all our citizens is this: The pavilien For sale by all druggists. could be so constructed as to permit of its use as a band stand, in case we

ure fortunate enough to have a local Dear Sir:-There has been consid- land in Port Myers at a later date. toward this end is because there is no injured, for our city, has grown to such

Situated as we are, with our beau- also feel confident that fully half the tiful fiver, from which there is always money could be raised by private sub-a refreshing breeze, is front of our scription among our citizens. After city, a Recreation Pier, with a large the subscriptions were all in them let pavillon at the end, well fenced along the City Council advance the balance the sides in order to render it safe for required, which of course, would be children, provided with ample scats, eventually paid by the taxpayers of eto, and the electric lightst absolute- the city. It seems to me that this by no teaming or heavy truffle heing community could not spend \$1,000 to allowed on the atrusture) would have hetter advantage, me in a way that many advantages over a public park, would give convenience, e-minet and I helieve it would affard comfort pleasure to a greater number of our

a park, which would be a considera- as the location for the proposed struc-Con for the children, and it would be ture for onlycons remains. First, this breeze on the water, and this, in my seawall. Second, it is really the only opinion, is an advantage that one place for a Recreation trier that is at burdly he overestimated, for it would all centrally located. Third, it is in tender the pier of greatest use to our the heart of one of the fluest residence toons people in the summer months, sections of the city, and it would be when it would mean a great deal in hard to find a more nearly ideal in-

the river to have such a retreat, clean | 1 hope this suggestion will and comfortable, 'o which they could with the approval of a sufficient manber of the eltisens of Fort Myers to

Very truly years -Tuke WALKER'S SWEET HERE PLUM LIVER REQUESTOR one time as a STEA pargettive, and yet will to ver use at- GAS

TH

so of to grice you and repair you nich Advertise in The Press-It mays

AT TH ROYAL

Monday

Motion Pi will be fine. bring your

Special close prices on Cook Stoves, Roofing Paper, White Mount Baseball goods a specialty. oils.



Tt.Myers, Fla July 12, 1911.

Mr. Thomas A. Edison, Orange, H. J. JUL 15 1911

My door Sir:

Replying to your favor of recent date relative to the new gardener will say he has taken held fedrly well and as though he might prove better in some reprots than Doyle. I have followed your instructions and have out off all the help except himself. He scene to think, however, that he will not be able to held the job down himself, the armine ham of the my be necessary at times to Aurabie ham or the a wook or two at a time. He epecks very your English and is very head to uniforsteam!

I hardly feel the to mas judgment on him now. His knowledge of conditions in this pert of the country seems to be very limited, but I have ensured that that I will render him every assistance in my power and give him the render him every scinistance in my power and give him the beneaft of my inoviologe and experience in the core of tropical plants and types. He will be will be sume to be an industrious and which is the sum of the continuation of the continuation

I will write you again in a week or two and tell you just how I think he will turn out, as I think I will be able to judge him by that time.

Vory truly yours HE, Arthuau



The H. C. Deitman Co

LESALE AND RETAIL GROCERS.

Tt.Mryers, Tla.

July 18, 1911.

Mr. Thomas A. Edison, Orange, M. J.

4 21 811

My dear Sir:

Your favor of the 13th received, advising that you are willing to make a donation for the recreation pier, and I thank you heartily for your interest and your offer.

I am sure it is a project we will all feel proud of when completed and one that will add much to the general good of the town.

Again thanking you, I am,

Most truly yours Seituau



The B. E. Deitman Co.

WHOLESALE AND RETAIL GROCERS.

Tt.Myers, Tla.

August 7, 1911.

Mr. H. K. Miller,

% Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:

Your favor received with letter from Mr. Tyker,

of Pomona, Cal., and same will have my attention.

Yours truly, A A A

The D. G. Deitman Cu

F AADHER DESIREN

CAPITAL STOCK \$30,000.00.

10 118 Shari

Mr. Thomas A. Edison, Orange, H. J.

My doar Sir:

I was at your home place a few days age and went over everything carefully with the new man, Zeman, to see that progress he was tanking and I have been over the work there with him several times before.

to be all tregret to report that I do not think he is going to be able to hold this job down, as he seems to have no ludgment whatever and to be perfectly plain, very little grows to know he to be comed to know to take hold of enything to seem to know how to take hold of enything to seem he know how to take hold of enything to seem has very little knowledge of the plants, trees, cto. that you are growing here. He may be able to do bacter after he has been here a while, but I am afreid not.

write you for a related point to so twice and saked me to the sake and sake a related to the sake a related to

Mrs. Edison wanted a work wall built and the line straightened up along the fire behind the swimming pool ... and Wallance along the mole a well last fell prior to the storm along the mole a well last fell prior to the storm along the sto

From time to time I will advise you further in regard to Zeman. There is no other news of interest at this writing.

With kindost regards and best wishes, I am,

Very truly yours,

F Staturan

GEORGE P. SHULT

COPY OF A LETTER FROM THE PUTATE OF CHALLES B. HOUR.

New York, Aug. 11, 1911.

ir. George H. Shultz,

Finish totel, Punta Massa, Ma.

W. 187

Dour Cirt

Your note of July 51 is received and contents noted. I am sorry that you are not able to get your stockholders together and encourage then to nut us woney towards the cancelling of the mortgage.

You have a group impression about what hr. Rogg intended. It was his desire to aid you and get you on your roet, but he expected beyond tany doubt to receive the Pull amount of his nortgage. I know this to be true, having had neveral conversations with him on the subject.

The proporsition that you convey to me offering \$5,000 is imposclible. The face of the cortgage is all we are willing to consider and can consider. Unils I have no disposition to press you, I must get the full arount of this nortgage and hope that you will get yourselves together and be able to deep plick it without lithestion. If it is nocessary to limitate, I will have to do it.

I wish to say now that I shall have to withdraw my offer to accopt the face value of the north age, which I made to you several numthe ago.

Tours very truly,

(signed) 1. T. Crafts.

, north to of ulto



Tt.Myers, Tla.

August 18, 1911.

Mr. H. F. Miller, Orango, H. J.

Dear Sir:

Yours of the 14th received and in reply thereto will say, yos, all of the matters referred to in my last letter can wait until Mr. Edison returns from Europe.

Yours truly,

St. E. Keitneau

. , for myers M. HOPKINS, PASSICENT HERMAN S.ANDERSON, ANTICAS Granville Bank GRANVILLE, PUTNAM CO. ILLINO IS Septim ber 14-1911 Thomas Edison. Fort Agers Florida. Dear Sir. I own a section of land quite near your fort hypers winter her same which I am offering to sell for \$10000 an acre out to one. Discription Section 36 Jones hip Range 14- 640 Auc. would like to buy. yourd truly. Histopkins After 5 days, return to ARCHIBALD W. HOPKINS, R. R. No. 1, Box No. 5, GRANVILLE, Putumn Co., ILL. Thomas Edwon Osange Fort Myord



The D. G. Deitman Cu

WHOLESALE AND RETAIL GROCERS.

L STOCK \$30,000.00.

1 T. October 27, 1911.

ar. Thomas A. Ralson, Orange, II.

My dear Sir:

Your lotter received with check for 372.84, which amount we have placed to your credit with thanks. I also note that you want nothing done in regard to the rock well.

In regard to Zeemen, in some respects he is a fairly good man and in others he is not. He is sober and a very good worker, but hes not much knowledge of how to handle plents and trees in this section and reculy he wery little judgmont or common seeme on the reculy he had been according to the common seemed to the second of the common seemed to work the beautiful to the second in the seeme to work showing. However, I will try to got along with him as bost I can this fall until you come down and have a chance to look him over yourself.

Unless I give him some help right sway he mill certainly not have your place looking as you want it to look, so I am arranging to give him a man to sate him after this week, this course being an absolute hecesity in order to get the place in good condition for the winter.

For some time I have intended writing you in regard bushings have rusted and rotted off; from the effects of the suphur water, and I see nothing to do but to replace the entire outfit with trees simple of the suphur water, and I see nothing to do but to replace this will result to the service of the suphur water, and I see nothing to do but to replace this will result to the see of the see that the service of the se

It is also nedessary to have a new fence around your 10-acre tract on the South side of the road, on what is known as your Park Place and where the stable stands, as a

87879h 1/**6**/11 great many of the posts have rotted out and the wire too. Accordingly I am arranging to have a new femce built around this property, this expenditure being necessary in order to keep cattle, etc., out of the property.

With kindest regards and best wishes, and hoping to see you in Fort Hyers early this season, I am,

very truly yours,

Mc Heitman



Tt.Mrjers, Fla:

November 7, 1911.

Mr. T. A. Edison.

Heatman - Better Resp Zala Orango, H. J. on - do fact that agen

My doar Sir:

done until I get downthen

the man Zeeman when you get the way to white you can be the man Zeeman when you get the way to white you can be the place. At the rate he was the way to be the company to the making he will down this propose in a penaltie has the making he will down this thinker though I have spent a froat seal of time trying to instruct him and easy him what is easy to be done and how to dether of bort in many cool mon to easiet him in fortilizing and working out when the way and also to help him get things in the way are not planting such as gerantimetry and I have also been furging upon him the importance of getting his gardon planting when the seem to be able to get along with any men I send there to assist him and he is not making any headry alone. to assist him and he is not making any headway alone.

I am sure he will not suit you when you come here for he does not seem to have any common sense or judgment at ior he does not seem to have any common sense or judgment at all and is incepable of catching onto anything he is clid. I believe I could get you a good man down in the local the country, although more than the country although more than the country although more than the country and the country in the country to me that the woman end of it is defined and the country to me that the woman end of it is defined and the country in the countr who understands and can take care of your plants and treos and who will keep the place up in nice shape.

whother or not you desire me to seeme a man here or whether you will send one from untere, for I know you will send one from un there, for I know you will got send good man in there items of the way will got some good man in there items of your and the send of the send you in any respect.

but he has absolutely no initiative himself. Understand there has been unrilessantiness in the himself. Understand nor all the himself and himself and the product of the himself and himself and the product of the himself and himself and the himself and himself and the himself and himse

I hope that you and your family are well, and with kindest regards and best wishes, I am,

Most truly yours.

M. Mycrs, Ha. November 16th, 1911.

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:-

Yours of the 11th inst. received. I note what you say relative to keeping Zeeman until Mr. Edison can find a better man, which I will be glad to do, as I am quite sure that he will never be able to keep a place in a satisfactory way that Mr. Edison wants , although I will do the best I can with it.

Very truly yours,

A.E. Noituan

Edison General File Series 1911. Glenmont (E-11-51)

This folder contains correspondence and other documents relating to the furnishing and maintenance of Glenmont, Edison's home in the private residential community of Lewellyn Park in West Orange. The two selected items concern Edison's stock holdings in the Llewellyn Park Improvement Society and instructions regarding the insured value of his greenhouse and barn.

The unselected material consists of meeting announcements and other circular letters from the managers and trustees of Llewellyn Park; miscellaneous invoices; and two monthly lists of accounts payable.

My Solicon wants you to Caucif the \$6500 insurance on the greenbruse also reduce the insurance from \$6000. to \$3000 and on the Horses while a harness from \$16400. to \$1000.

He also wants to know in how many Companies you carry the succession of they are all good Companies.

LLEWELLYN PARK IMPROVEMENT COMPANY.

LECURE FARE IMPROVEMENT CONFAIR.

Bow all kep by These Presents, that I Jurana a Clum
being the helder of Let (**) elarges of the cepital stock of Lievellyn
Park Improvement Company, do hereby constitute and appoint Robert
Park Emprovement Company, do hereby constitute and appoint Robert
Park Improvement Company, do hereby constitute and appoint Robert
Park Improvement Company, do hereby constitute and appoint Robert
Park Improvement Affects, Jenkins and George Richarde, or any of thes,
Park Improvement Affects of the Company to be held
on Monday the second day of October, 1911, or any subsequent date to
which it may be addourned. which it may be adjourned.

And I do give my said attorney or attorney full power of substitution or revocation, hereby ratifying and confirming all that my attorneys or their substitutes may do in my place and stead.

This proxy to be good until revoked.

In Witness Whereof, I have hereunto set my hand and seal this 26th day of September 1911.

Witness:

Edison General File Series 1911, Health and Diet (E-11-52)

This folder contains correspondence and other documents relating to Edison's widely publicized views on longevity, his recommendations for good health, and his personal habits, physical condition, and allments. Some of the letters, containing Edison's reply in the form of marginalia, concern smoking, diet, and referrals to physicians. Also included is a questionnaire that Edison agreed to circulate among his workers on behalf of author and attrorey Botton Hall. Among the correspondents are Clarence I. Peck, an acquaintance from Fort Myers, Florida, and physicians George T. Jackson of New York and Sir. James A Grant of Canada.

Approximately 40 percent of the documents have been selected. The following categories of documents have not been selected: unsolicited circulars, pamphlets, and newspaper clippings; correspondence receiving no reply. Also not selected is a letter regarding a purported remedy by Edison for hardening of the arteries, along with a marginal notation indicating that the writer had "imsunderstood the articles in the papers."

C.1 - 8 2000 Thomas Aldison Egs. Dear Mr. Edison. The trucky quar effort And forth in the line Juscovery, is so great, that some tear and bear much be the healt, in jam neroous System For many pens I have noted.

with pleasure the anstorming useful, and miguo life. duck spinents you have from There meantly amount to the scientific would, the System of Stresport and I hust gan all Efforts, monfan, before leaving for will cantinue for jears & Stuly of Sural other beading Came. I would be greatly men in her Jork ! gratified brinder gon If you will kniedy fill up the melored blank -4 service & prolong your

and rectain bome form I will at once write and give my opinion, of from System, which will he to me a great phasure my assessing on the blad formation is the went of 40 years comful Esearch work. With Kindut yurdo skest wishes. Here since yours

au yrayı My dear Hount - you duagnoved wrong the trouble dies to gree from a kink in the lower intesting can always rections the pressing some what vislant I from Systems is defective as the shortness of breath in game Mr Stains. Sam Confident the treatment I have discorned will greatly improve Jour Aresent Condition and certainly and confidentially just as you add Jeans Again valuablelife decide, and in a fav dags, I Such was martly the Case will fine you full and complete directions to complete The of trusport drongan now Enjoying and in excellent health necessary breatment jourself, and spirits. If you write me Which for will throughy a line or Tilegraph Iwill appreciate and new regret. So down to her Jonk, Theores for a Sample of Museag Still Hotel my wine which I fancy the Cold weather delayed neual Consulting quarters Jam a stranger to for or to Orange direct, Dirately

in a measure but The delight and pleasury ? anticipate, in rutifying Jam prusent trouble Imally Carmot in press and as Kang Camponsation that will met intincte on good mer gheart. with Knidest regardo and least wishes, for a long and neefal life La. Grant

TAE - on diet

CHARACO. Y 2 at every Kill of food, but in very small common over fitted of food, but in very small of y food, but in very small or second over fitted of y food of y

Thomas A. Edison,
West Orange, N. J., avoid the was of the table as

My dear Sir:- Ocean control of OCO

I was much interested if reading an interview with you published in a recent newspaper, wherein a comparison of your views and those of Mr. J. C. Stubbs was made. Your statement of your system of living viz:

1 Proper Eating, 2 Proper Sleeping, 3 Proper Clothing,

I heartily commend in general and would be much gratified if you would specify each of the three more in detail, especially the first named. I am particularly interested in hygienics, and would esteem suggestions and advice from you a great favor.

I would recall to your mind our former acquaintance in Floridafirst when there with my Brother (Yerdinand W.) and myself (we owned property adjoining yours there) at a time when you were ill at your house, you kindly loaned us your launch for Tarpon fishing, in which we were most successful. Later we had the pleasure of meeting you at times at the Tropical Hotel at Pt. Myers. Afterwards you kindly invited us to go through your plant at Ilewelyn Park and showed us through your laboratories and workshops. I was extremely interested with your explanation of your long successful efforts at your old pine desk in making the phonograph talk properly and in working out the incandescent light problem, etc.

I don't want to impose upon your time - I can imagine that you are much bothered with cranks - (I am not a bad one); but I would appreciate a reply from you an requested.

With best wishes always, Very truly yours, Williams Turk

the from my observations of other persons?

The general average for present who take but tittle Expersions to what tittle I do but tittle I do but to so perfectly assumethed that the cause who the large or alorage what with well food value Extracted heaving withing that will person the well-liminal Causera to set up pulsification,

TAE - on food, 5 kep

ROBERT E. DOAN

LATE REPRESENTATIVE IN CONGRESS
FROM ONIO

SECONO FLOOR 1327 G STREET N. W.

R. E. DOAN & CO. Attorneys and Connselors at Kam PROMPT AND PERBONAL ATTENTION TO ALL BUSINESS SEFORE CONGRESS. THE EXECUTIVE OFFARTMENTS. COURT OF CLAIMS. THE SUPPEME COURT, AND BANKRUFT CASES IN

PRACTICE IN ALL STATE AND FEDERAL COURTS

WASHINGTON, D. C., April 25-1211

(Mo 4/28/11 Hom. Thas. D. Edison Securtary. AR 127 911 interest your Statement in the Washington Quy papers last Sunday, as to I was surprised when you sunshine and haffungs out of life possible, with all; thereby making the world, better. For the Cast two meals sepach day: ? general variety of from at both meals with of copper at lack meal with my last meal ? (atta a glob of milk and two glasses of wal Before returns at about 10 Poll, I drunk a fin water of But I gream, and Smelmer can go to sleep for some time. I would be pleased

ROBERT E. DOAN
Attorney and Commercial role one
Opposite 1927 G Street N.W.
Washington Savines Sank Bulcone
Washington, J. E.

HOW, CHARLES W, PAIRWANNE MON, P, L. CAMPBELL, ODN- J. WARREN REFER NOW, JULIUS BUFFORM MON, JOHN BUFF

Cut down your food gradually don't use the Table as a social adjunct on it camed too much from to be Taken when you have in the Course of time got the total food down to a certain point you, will atent to lose weight when you notice this quedually uncurse form food a Chereoften quedually uncurse form food a Chereoften keep your weight consteam? The food you do take will them be all cassimilated will take will them be all cassimilated will prevent put 1822 pass into the longe of storage intaking 1822 of food values which will prevent put food on the second or the base to pass into the blood type weell

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LATE REPRESENTATIVE IN CONGRESS
FROM ONIO
SECOND FLOOR 1327 9 STREET N. W.

R. E. DOAN & CO. Attorneys and Counselors at Law PROMPT AND PERSONAL ATTENTION TO ALL SUSINESS SEFORE CONGRESS THE EXECUTIVE DEPARTMENTS COURT OF CLAIMS, THE SUFREMS COURT, AND SANKRUPT CASES = 1

PRACTICE IN ALL STATE AND FEDERAL COURTS

WASHINGTON, D. C

to know the kind and character of the food you last and at what times During the 24 hours? I am all truth, that you have done more for the betweenty man and the amelioration of the world in the last 40 years than any man now living; and the end is not fet; Hoping you man favor me with unformation much sessies, I remain Surce your for all that is post.

29, Beaufort Manious Lunden, V. Tr. Twoods 18 hours dans G. car Mr. Edison Their w I have read the 29 House I propose to do the way of and and savant of your arms of face in with standing your and war work you will allow that your ownery should be imporior your love of being very busy and that you in extense, for which I bey leave to present your, in anticipation, with my hearty thanks Availing your reply of remain with The reason y can wante frid 26,1911. 18 h

TAE . orticles L 24, 1911.

HOW TO LIVE TO

150. MR. EDISON'S PLAN

FROM OUR OWN CORRESPONDENT.

Mr. Them. And Mr. The Total Annual A

rimen did and Mr. Stubbe does. "This is due to to fact that my system of living is based it (i) on proper cating; (2) proper sheeping; and three, on proper clathing.
"Why did Mr. Harriman think in bed? Because he ato tee much. 'Mr. Stubb and others of his like ato so such, though not as wholesmely, on a bod-carrier, without the manner of the manner. They sheep their novices

never dreemed in my life.

"I em now sixty-dowr, and one work a thick hetter than ever I did. This tall retirement is boah. I have worked at I was twelve, and hope to contious work until I om 116. My Paredise is have earth.

DEAN OF CT. DAILE

Mr plist downs but very little mrs. Thomas a. Edd article appeared in the Gard Roberds Prise as to the dist of If it is not asking too much of a favor will you thindly the what Mr. Edison eats and about how much at each meal I am asking this favor would be loo busy to answer this inquiry.

Thanking you in advance for a replies, I am.

your respectfully.

W. J. Verlinger

PHONE REGTOR 876

June 21st 1911.

Thomas A. Edison, Esq., Llewellyn Park Orange, K.J.

Ww dear Sir:-

Would you not be willing to have your factory employees fill in the enclosed Questionaire on Sleep? I believe you will be interested, especially with a view to your experiment, about reducing the hours of sleep.

I shall be pleased to send you as many of the enclosed blanks as you can use.

Yours sino

TAE doclars AND BY APPOINTMENT My dear Mr. Edian: Phonet you call on me as my office it you will ask the woman in the enhance hall to phone me Jourane here, Iwill not detain Jon a moment longs than necessary It you Coul downer let is be a allowday until after 12th. I can see you any afternoon but Asturday, of you will telephone me is she G. T. J., G. T. J., 11 East Porty-Eighth Street

but I shink you will saw time by Coming to may office when I have all my hol of Jour huly Justin

L. Pmari - Sup MOFFAT, YARD & COMPANY

PURLISHERS

81 EAST 17TH STREET

NEW YORK W. D. MOTTAT, President R. S. Yand, Vice-President J. H. Corr, Socretary & Treasurer

Telephone 3138 Stuyvesant LONDON OFFICE 5 Henrietta St., Covent Garden

June 29, 1911.

Laboratory of Thomas A. Edison, Orange, M.J.

Dear Sirs:-

We take pleasure in sending you today,

at the request of Mr. Bolton Hall, a number of blanks of Mr.

Hall's questionaire on Sleep.

Yours very truly,

TRS/R.

MOFFAT, YARD & COMPANY.

[ATTACHMENT/ENCLOSURE]

QUESTIONAIRE ON SLEEP

PLEASE FILL OUT AND KETURE— We shall be glad to supply additional copies of this slip upon request—we desire the largest number of replies possible and it is looped the scientific interest of the subject will lead you to aid us in procuring them.
AgeWeightHeightHealth
Married ?
Do you sleep well?
Many many problem hours in hed?
the same clean on an average, and at what times?
sub-state was consider sufficient for yourself?
4 Afference during variations?
The you are any means or devices for inducing sleep?
ct. It a shown tions on members of your family, if any?
Similar doservations on memory 2
And prove drawns provide rational or fantastic, pleasant or unpleasant?
Do you have nightmare?
Are you given to worry?
Does physical especially agricultural work relieve this?
Do you take artificial exercise, or does your work involve exercise?
Appetite good?Simple diet or elaborate?
Is the "sleep of the laboring man sweet" in reality?
Name
Profession
Address

No scientifically complete tabulation and study of data has yet been made on SLEEP.

Moffat, Yard & Company will publish this Pall a book entitled "The Gift of Steep," by Bolton Hall, aus," etc. — Things As They Are, "Pree Analysis of Steep, and the Steep of Steep, and the Steep of Steep of

ADDITIONAL REMARKS

BOLTON HALL
COUNSELLOR AT LAW
29 BROAWMAY, NEW YORK
PHONE REGTOR 678

JAN LEDWING THE HELL

June 30th 1911.

Alis h.

H. F. Hiller, Esq., Jaboratory Thomas A. Edison Orange, H.J.

on

014

Dear Sir:-

In accordance with Mr. Edison's kind request:
we have asked the Meffat, Yard Cempany to forward the 150
blanks on "Sleep" - which you have doubtless received ere this.

Yours very truly

E Baymen for Mr. Bolton Hall.

Sacy that it remains about theorems, I have used the acutant & Zeig tot it does not change ... I cast 401 street orrice 1003 a har to 230 AM to the dress must change in East 400 streets
those Can any part ampling who years substrated to the grant of the property with the grant of arrows that the fully all years of the grant of since I saw you an account of your lex. In a man of Jour years such lesions should be promptly attended to. I know you are a very busy man, and also a very valuable man, of jon

on the is not what Concerns me. I am con-Carnel with the importance of surging you to give time now to your slight malady less is become more grand.

and not well I surge for longine the time needs say by your Curb. Whether for case on me or some

Jour huly Sent of action.

Surplus \$ 1,500.000. Capital \$ 1,500,000. $11/\epsilon_1/\Gamma_{OUJ}$ Mewark, N.J. JUL 11 1911 The F. Muceu, West Crange If May, Dear fit, Can I pok a special Wiee you Kindly inform we as to whether Mor, Edison, is a Smoker, or not My impression is that he does not Smoke at the present time, I am Collecting a few points for some young Men, young Men, for your Country, Very truly yours,

Mr. A. W. Conklin, Cashier,

Union National Bank,

Newark, N. J.

BOLTON HALL COUNSELLOR AT LAW SO PINC ST., NEW YORK PHONE JOHN 1593

July 17th 1911.

Mr. H. F. Hiller Laboratory Thomas A. Edison Orange, N.J.

Dear Sir:-

Nr. Hall acknowledges your kind note of the 15th, regarding the Questionairs on "Sleep;" and thanks Mr. Raison for his kind interest.

Yours very truly

for Hr. Polton Hall

What Glan Leigh. Barnard Ga England Dear Mr Edison,

eat at your meals , the I shap bady of an ecida aguids zon drunk on anie lo think clearly on which we are able to any subject I have do such a great amount trick small jumbles I hard brain work 97 Good week man lica had. Heat in fit condition. but love were, It dam now two stone lighter I assure you that " The Impht to be nee he mal gateful There is no organice. for the aformalian trable - but differland as I suffer continues weakness . which jues from Leaving Drongues rus to Policier to + cemenal unfotness.

I'm died it were beg me in many way o, Believe me James Condines Mr. Thoma A. Edison Sauge Laborday New long.

[ATTACHMENT/ENCLOSURE]

HOW TO LIVE TO 150.

MR BURON'S PLAN.

Mr. Themas Aby Editors, the formers investigated by the contract of a single contract of a si

uralisens all night."

Mr. Edison received an interviewer
at his Orango laboratory in New Jessey
at the conclusion of a vecic thomawhich he had worked with the congipth lours. "I can think," be usserved, "twice as much and work twice
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"My physical consistent is flower, that I debte myself escable". "He likely me was a superior of the likely and the likely as th

Northern Realty Company Real Estate, Bruit Cands and Merchandise

GITIZENS PHONE SOSS

Mr Thomas A. Edison

west Orange N.J.

Dear Sir; - I was born across the Rivor from yourself

Pages especially Mrs Homer Page I number among the best friends I over had. I have only this excuse to offer for troubling a man as busy as I know you to be. While talking to a Doctor here the other day I was told that you had discovered a method of dissolving Urate of Soda in the joints, I have suffered with Rheumatism in my joints for years Arthur itis the Doctors call it. My joints still have action but are very sore I think if I could get that dissolved I could get well and throw away my crutches. One curious thing about my sickness has been that when the temperature got down to zoro I could throw a spark by touching a porson or metal which gave quite a shock, and after a few times the person shocked became charged so they could do the same thing. My family were all able after a few times to do the same. Will you kindly advise if any practical use is being made of the electric method of dissolving these deposits and who has them in charge.

nic.J.M.S.

Chast Rartown 490 E. Rich St.

Law Office of DAVID T. DICKINSON, ARRISTERS HALL. - Rooms 412-4: Pemberion Squire TULEPHONES, Haymarkst 1487.

BOSTON, MASS., Nov. 4, 1911.

ausily "

Mr. Thomas A. Edison,

New York, N. Y.

Dear Sir:

Some time ago, when you were abroud, I noticed what purported to be an interview with you printed in the Boston newspapers, which was interesting, although perhaps not correct in all particulars. I was quite interested in what it said about the unusually short amount of sleep that you take and that you have been in the practice of taking during your life. I think the article said not more than four hours a day.

I would very much like to know if this report is correct, and if so, if you think that people in general could become habituated to this, so that they would be just as well off as if they took the usual amount of sleep which is regarded as the normal amount.

With highest regards, I remain,

Yours very truly,

BEC

David . Dickenson

The relations obert of house sleep is correct but for the last so years occurage 5 hours I require they till aloop becomes I am a sound alooped and Eat very title ALBERT F. SHORE 557 W. 22*P ST. NEW YORK.N.Y.

Er. Thomas A. Tdi....,

Orange, N.J.

Dear Sir:

Judging from your occasional public utterences I do not believe I am mistaken that you are, as most thinkers, interested in biological science particularly the dynamical end of it. It profits us little to know what makes things grow but it would be of vast importance for us to acquire at least a rudimentary knowledge of the energy or forces so economically utilized and controlled by the living organism.

According to a new line of inquiery which I developed a few years ago, one can readily see that the work of the man with the scalpel while useful, cannot be a channel leading to the final solution of bio-dynamics the densest problem of our enlightened and scientific age. I have already gone very far with this work in my spare moments and have custly succeeded in eliciting enough fundamental laws to permit the formal structure of a principia of the Natural Philosophy of Life.

A work of this kind would quickly revolutionize or sharply affect all the extences which directly have to do with our bodily as well as social welfare. I now practically hold the key to this great work, but as an engineer and manufacturer I have so little time that society would be deprived of the benefits for years and years. I do not intend to write the Principia personally but would be a director. In this capacity your going

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Den 9 m of hebrery

Lever Joseph of the head of the hea

ALBERT F. SHORE 557 W. 2249 ST. NEW YORK,NY.

Mr. T. A. Edison

to secure the collaboration, aid or criticism, from the foremost scientists of the world, with a preference for thinkers and observers who are not professionals in any of the lines covered by the philosophy. Among these I have never heard of more plausible and sound expressions of thought than those which come from you, and onsequently I would very much like to have an interview with you in regard to the matter above outlined.

I have no book publisher interested in my work but it will rather be the work of a little society and of course all who contribute will be well repaid for their time.

Enclosed you will find an editorial article -a sample of the new data arranged for popular reading.

Awaiying the pleasure of a favorable reply, I am Faithfully yours.

Albert F. Thore

Novmber the fourth 1911.

[ATTACHMENT/ENCLOSURE]

THE WORLD: SUNDAY, JULY 15, 1906.

Put Hands on Head When You Want to Sleep --- Brain a Storage Battery

ALMERT P. SHORE BY ALBERT F. SHORE

Assertion due lation for the Advancement of Evenue, Lagracer, Scientist and Author

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Edison General File Series 1911, Honors and Awards (E-11-53)

This folder contains correspondence and other documents relating to Edison's formal awards and honors. Included are invitations for Edison to compete for Nobel Prizes in Chemistry and Natural Philosophy, which received no reply from the inventor. Also included is correspondence with Charles R. Cross, head of the Physics Department at the Massachusetts Institute of Technology, concerning a photographic replica of the Rumford Medal—an honor conferred upon Edison by the American Academy of Arts and Sciences in 1895 for his work in electric lighting.

All of the documents have been selected.

9. Perunt - Modals

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

My dear Mr. Edison:

The Rumford Committee of the American Acade desirous of securing replicas of all the Sumford Medals which have been awarded. Previously to the last few years this has not been done and there is no record even of the personal portion of the various inscriptions. As Chairman of the Committee I am asked to secure as far as possible the data necessary for the engraver.

It will be a great favor to the Academy if you can send me the inscription as "displayed" in the case of the medal which was awarded to you, as well as the character of the lettering. Only the portion in incised latters is actually needed. This can be secured most completely by giving the wording of the inscription and its "lay-out" in writing and procuring a photograph of the reverse of the medal or having a cast made in plaster. I send a print of the reverse of the medal awarded to Alvan Clark as an indication of what is needed. The Committee will be glad to pay any expense involved.

Hoping that you will be able to oblige the Committee,

I am.

Yours very sincerely,

(enc.)

Chas R Ewfs

THE 1. 111-1260

MASSACHUSETTS
INSTITUTE OF TECHNOLOGY
ROGERS LABORATORY OF PHYSICS

June 30, 1911.

My dear Mr. Edison;

I received this morning from your secretary, Mr. Miller, the photographs of your Rumford Hedal, which I requested for the Rumford Committee a short time since. I mm greatly obliged for them and in the autumn shall proceed to have the bronze replice engraved.

I am.

Yours very sincerely,

Chas R-Coop

Herr Th. A. Lolison

Orange, N. J.

På uppdrag af Kungl. Svenska Vetenskapsakademien hafva undertecknade, medlemmar af dess Nobelkommitté för kemi, äran inbjuda Eder att inkomma med förslag till mottagare af Nobelpriset i kemi för 1912.

I enlighet med föreskrifterna i Nobelstfleisens Grundstadger, som till Eder öfversändts, bör i förslaget angifvus den upptilöxt eller förbättring, för hvilten priess ustellande
föreståk, hversjinne förslaget bör vara motivernalt och aföljdi af de skrifter och andra handlingar, som åberopas. Aldre arbeten kunna bläva förental för belöning allensat i händelse
deras betydelse först under sonsass idne blifvi afönglaget. Förslag miksa, för att kunna
upptagas till pröfning, vara inkommet till Nobelkommitten före den 1 föbr. 1912. Förslagsskriftelen bör dersserses till:

"Kungl. Vetenskapsakademiens Nobelkommitté för kemi.

Stockholm.*

hvarjämte å omslaget bör angifvas att försändelsen innehåller förslag till mottagare af Nobelpris i kemi.

Stockholm I sept. 1911.

Olof Hammarsky

Ordföran

Olto Petterson

O. Widman

peter Pelason

HenringPoderbaum

Wilh Pahnel

(Traduction.)

ACADÉMIE ROYALE DES SCIENCES
DE SUÈDE
COMITÉ NOBEL DE CHIMIE

Lettre confidentielle.

Monsieur.

L'Académie Royale des Sciences a étu les soussignés membres de son Comité Nobel pour la chimie, et c'est en cette qualité que nous avons l'honneur de vous inviter à nous présenter une proposition pour le prix Nobel de chimie à décerner en 1912.

D'après les préscriptions du Sutut de la Fondation Nobel, dont nous vous avons adressé un exemplaire, cette proposition doit contenir l'indication de la découverne faite ou du perfectionment apporté dans le chimie, dont l'auteur cut proposé pour le prix Nobel. En outre, elle doit être moidvée et accompagnée des ouvrages et autres documents sur lesquels etle s'appuie. Les travaux qui n'appariennent pas à l'époque la plus récente ne peuvent etre objets de récompense que dans le cas où leur importance n'a été étenontrée que dans les dernière temps. Pour être prise en considération, la proposition doit parentir au Comité Nobel de chimie avant le l'êvetre (1912. La leure doit être adressée au

> Comité Nobel de chimie de l'Académie Royale des Sciences à <u>Stockholm</u>

et porter sur l'enveloppe qu'elle contient une proposition de prix. Stockholm, Septembre 1911.

OLOF HAMMARSTEN

OTTO PETTERSSON .

PETER KLASON

O. WIDMAN

HENRIK G. SÖDERBAUM

WILH. PALMÆR. Socrétaire. You are invited to compete for the Novel-Price's

Sor Chemistry & Natural Philosophy for 1912

Mo und

Comit Nobel de physique (or Chimic)

ale Mademic Royale des Sciences

Stockheem

Herr Th. A. Polison

Grange 1. 9

På uppdrag af Kungl. Svenska Vetenskapsakademien hafva underteeknade, medlemmar af dess Nobelkommitté för fysik, äran inbjuda Eder att inkomma med förslag till monagare af Nobelpriset i fysik för 1912.

1 enlighet med föreskrifterna i Nobelstiftelsens Grundstadgar, som till Eder öfversåndts, bör i förslaget angifvas den upptäckt eller uppfinning, för hvilken prisets utdelande föreslås, hvarjänne förslaget bör vara motiveradt och åtföljdt af de skrifter och andra handlingar, som åberopas. Äldre arbeten kunna blifva föremål för belöning allenast i händelse deras betydelse först under senaste tiden blifvit ådagalagd. Förslag måste, för att kunna upptagas till pröfning, vara inkommet till Nobelkommittén före den 1 febr. 1912. Förslagsskrifvelsen bör adresseras till:

*Kungl. Vetenskapsakademiens Nobelkommitté för fysik.

Stockholm."

hvarjämte å omslaget bör angifvas att försändelsen innehåller förslag till mottagare af Nobelpris i fyslk.

Stockholm 1 sept. 1911.

Gustaf Grangwel

Ouspense

13. A assessery V. Carencein Gellowshild

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(Traduction.)

ACADÉMIE ROYALE DES SCIENCES DE SUÈDE

Lettre confidentielle.

COMITÉ NOBEL DE PHYSIQUE

Monsieur,

L'Académie Royale des Sciences a élu les soussignés membres de son Comité Nobel pour la physique, et c'est en cette qualité que nous avons l'honneur de vous inviter à nous présenter une proposition pour le prix Nobel de physique à décerner en 1912.

D'haye's les préscriptions du Statut de la Fondation Nobel, dont nous vous avons adressé un exemplaire, cette proposition doit contenir l'indication de la découverte ou de l'invention, dont l'auseur est proposit pour le prix Nobel. En oure, elle doit être monivée et accompagnée des ouvrages et nutres documents sur lesquels elle s'appuie. Les travaux qui n'appartientent pas à l'époque la plus récente ne peuvent être objets de récompresse que dans le cas où leur importance n'à été démontrée que dans les derniers temps. Pour être prisc en considération, la proposition doit parvenir au Comité Nobel de physique avant le le Pévire 1912. La leure doit être adressée au

Comité Nobel de physique de l'Académie Royale des Sciences à <u>Stockholm</u>

et porter sur l'enveloppe qu'elle contient une proposition de prix. Stockholm, Septembre 1911.

> GUSTAF GRANQVIST Président.

B. HASSELBERG

V. CARLHEIM-GYLLENSKÖLD

ALLVAR GULLSTRAND

SVANTE ARRHENIUS

WILH. PALMÆR. Secrétaire.

[ATTACHMENT/ENCLOSURE]

List of the man, who have received the prices for Mit. Prices and Orenistry from 1901 to 1910

[ATTACHMENT/ENCLOSURE]

- Le prix Nobel de physique a été décerné
- en 1901: a M. W. C. Röntgen, professeur à l'université de Munich, pour la découverte des rayons qui portent son nom;
- en 1902: par molités à M. H. A. Lorentz, professeur à l'université de Leyde, et à M. P. Zeenan, professeur à l'université d'Amsterdam, pour leurs recherches sur l'influence du magnétisme sur les phénomènes de la radiation;
- en 1903: par moisiés à M. H. A. Becquerel, professers à l'Étode Polytechnique de Paris, pour la découverne de la redioactivité sponstanée et à M. P. Carrie, professeur à l'Étode Intunicipai de de physique et de chimie industrielles, et M. Marie Carrie à Paris pour leurs travaux excèunes en commun repardant les phénomènes de radiation découvers par M. H. A. Becquerrel;
- cn 1904: à Lord Rayleigh, Londres, pour ses recherches sur la densité des gaz principaux et pour sa découverte de l'argon, amenée par les dites recherches;
- cn 1905: à M. Ph. Lenard, professeur à l'université de Kiel, nour ses recherches sur les rayons cathodiques;
- en 1906: à M. J. J. Thomson, professeur à l'université de Cambridge (Angleterre), pour ses recherches théoriques et expérimentelles sur le passage de l'électricité à travers les gaz;
- en 1907: à M. A. A. Mitchelson, professeur à l'université de Chicago, pour les instruments de précision optiques qu'il a inventes ainst que pour ses recherches spectroscopiques et métrologiques fities à l'aide de ces instruments;
- en 1908: à M. G. Lippmann, professeur à l'université de Paris, pour sa méthode de reproduire photographiquement les couleurs, basée sur le phénomène de l'interférence:
- en 1909: par moiités à M. G. Marconi, ingénieur, Londres, et à M. F. Braun, professeur à l'université de Strasbourg, pour leurs mérites dans le domaine de la télégraphie sans fil;
- en 1910: à M. J. D. van der Waals, ancien professeur à l'université d'Amsterdam, pour ses travaux sur l'équation d'état des gaz et des liquides.

- Le prix Nobel de chimie a ésé décerné
- en 1901: à M. J. H. van't Hoff, professeur à l'université de Berlin, pour la découverte des lois de la dynamique chimique et de la pression osmotique en solutions:
- en 1902: à M. E. Fischer, professeur à l'université de Berlin, pour ses travaux synthétiques dans les groupes des sucres et de la purine;
- groupes des sucres et de la purine; en 1903: à M. S. Arrhenius, professeur à la Faculté des Sciences de Stockholm, pour les mérites de sa
- de vue du développement de la chimile; en 1904: à Sir W. Ramsay, Londres, pour la découverte des gaz indifférents et élémentaires de l'air et pour la détermination de leur place dans le système oériodique.

théorie de la dissociation électrolytique au point

- en 1905: à M. A. von Baeyer, professeur à l'université de Munich, pour les progrès qu'il a fait faire à la chimie organique et à l'industrie chimique par ses travaux sur les maières colorantes organiques et les composés hudraormatiques:
- en 1905: à M. H. Moissan, professeur à l'université de Paris, pour ses recherches sur le fluor et sur la manière de l'isoler, ainsi que pour les applications scientifiques du four électrique qui porte son nom;
- en 1907: à M. E. Bachner, professeur à l'Institut agronomique de Berlin, pour ses recherches chimicobiologiques et pour sa découverte de la fermentation sans cellules de levure;
- en 1908: à M. E. Rutherford, professeur à l'université de Manchester, pour ses recherches sur la désagrégation des éléments et sur la chimie des corps radio-actifs;
- en 1909: à M. W. Ostwald, ancien professeur à l'université de Leipzig, pour ses travaux sur la catalyse ainsi que pour ses recherches sur les équilibres chimiques et les vitesses de réaction sur lesquelles ces travaux sont fondés:
- en 1910: à M. O. Wallach, professeur à l'université de Gœttingue, pour les progrès qu'il a fait faire à la chimie organique et à l'industrie chimique par ses travaux éminents sur les combinaisons alleycliques.

The dear No Edvin 3/ 27/William 3/ Not dear No Edvin Jan Res Daig a North last Daig a paper that you were feedady in momental for the Hotel fring the from the form the form of the form o

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Edison General File Series 1911, Insurance (E-11-54)

This folder contains correspondence and other documents concerning personal and property insurance. Among the items for 1911 are letters relating to the designation of beneficiaries for Edison's life insurance policy and to the inspection of boilers at the West Orange laboratory.

Approximately 30 percent of the documents have been selected. The unselected material consists primarily of unsolicited promotional material.

Legal

Legal Department: Theplane 1990 Graye Thomas Redischtlers Edbydling

National Thonograph Co. Edison Business Phonograph Co Edison Munufacturing Bates Manufacturing Co. Edison Storage Battery 6 Edison Portland Coment Co. Edison Phonograph Works.

Mr. Harry F. miller,

Laboratory.

Dear Sir:

Mr. Dyer requests me to inform you that in view of the difficulty of doing anything in regard to the mutual Life Insurance Company policy of December 24, 1874, Mr. Edison has decided to do nothing in the matter and to adjust the situation in some other way.

Very truly yours,

We have her with the here the way the here



KLBUR S. JOHNSON, VICE P DWATO GRAY, SECRETARY

of America.

LEGPOLD IN LUTTERST, MANAGER

IN RE

Pol. #16816

NEWARK, N. J., Mar. 29,1911

Mr. H. F. Miller, Sect. Thos. A. Edison Co., Orange, N. J.

Dear Sir:

With further reference to your favor of the 23rd inst. we are enclosing herewith an amendment form, completed to cover change of beneficiary desired in this case.

This amendment should be signed by the insured in the presence of a witness, and returned to this office together with the policy when we shall be in a position to make the change desired.

I remain.

Very truly yours.

Mgr. Ord. Pol. Dept.

PK-MC-3-27 Enc.

Enclosed find assignment which I would request that you hindly change as noted thereon

[ATTACHMENT/ENCLOSURE]

of America. Pol. 16816-Edison Dear Sir: We have recoived your favor of the 1st, in reference to a change in beneficiary in connection with the above numbered policy, issued on the life of Mr. Edison, We have to advise that if you will give us the names of the children to whom Mr. Edison wishes this policy to be payable, we will then forward you the necessary amendment form to have signed. I remain. Very truly yours. Marian & Occer This a Edicon for I'm L. Edicon

Theodore M Edison

(Jun 8/8/11 OADWAY, ROOMS 16 and 12 P. O. HOX 2008 Telephone Call, 3088 Comland Name of the Mediation Total C. III Trefth Somme - to send me folicies converge on develope (Old Media) as Mose I can have the go for clame attention to same you to file and I express also to be sure I am the pean to sense policie.

The Tidelity and Cusualty Company

L.G.

92 Liberty Street

meal

D.C.HARVEY,

New York Oct. 27, 1911.

Thos. A. Edison,

Valley Rd. & Lakeside Ave.,

Orange, N. J.

Dear Sir:-

Our inspector, Mr. W. I. Nichols, on the 13th day of Get. 1911, made an external examination of the three steem boilers specified below and described in your s team boiler policy No. 217521 as located at the above address.

The report s hows that s o far as could be determined by an external examination, the Boilers appeared in good condition.

In accordance with this report, the Company approves as the maximum 1cs d on the safety valves of the

B. & W. Hoiler No. 1 L. to R. 130 lbs. per sq. in.

B. & W. Boilers Nos. 2 & 3 L. to R. 135 lbs. per sq. in.
Yours truly,

Supt. of Inspections

Edison General File Series 1911. Invitations (E-11-55)

This folder contains correspondence and other documents relating to banquets, luncheons, lectures, and special events to which Edison was invited. Among the correspondents for 1911 are Charles A. Coffin, Charles J. "Buffalo" Jones, Clarence H. Mackay, and Arthur E. Stilwell.

Approximately 10 percent of the documents have been selected. Invitations that were unanswered or routinely declined, along with duplicates, have not been selected. tae Vintury

Lanence Wacka 253 Broadeway

Would be pleased to come to Notoma but I am very deaf and could hear very little of you could manage To get Two Seats in front row orchestra at violin and, will come over

duson

Sur 9 (min

POSTAL TELEGRAPH - COMMERCIAL CABLES

TELEGRAM

TELEGRAM

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New York Feb 27-11

Thos A Edison

Llewellyn Park Orange NJ. FEB 27 1911

Your message received, Have secured two good seats in front row which I am forwarding you today by special delivery. Will be very glad to welcome you tomorrow evening.

Clarence H Mackay.

1143AM

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Mr. Arthur Edward Stilwell requests the pleasury of the company

Mr. Thomas A. Edison

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Banquet
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in the City of Swa York
in honor of the opening of the
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Please address reply to Mr. Gidwell, Ginger Building, New York

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Grand Hotel, Broadway & 31 St., New York City, Dec. 11, 1911.

Mr. Thomas Edison, I am afraid I will not be a ble To East Orange, N.J. Come over to the lections it as in

My Dear Sir: 20 close to Christmas, Const you

I read all that you said about "Buffalo Jones" on your return from Europe, and I certainly appreciate it more that from any other source. I always admired people that do things. I have invented many things people that do things. I have lavented many things myself, and know something of the trials of an inventor.

**Concerved Are X coccertainty in the second and show we may be seen to say is, I as to give a lecture and show my moving pictures of roging unimals in America. and Africa. I have some of the most sturting pictures, and Africa.

probably in the world. Our Court of the cour

I expect to have quite a number of the best people of New York and surrounding places, and hope you will be one among them.

Please let me know if this is agreaable with you. If so, I will send you the tickets.

I am,

Your sincere well wisher and admirer, '

[ATTACHMENT/ENCLOSURE]

Prices of Tickets

FOR EVENING LECTURES AT 8:30 New York or Brooklyn—

\$1.50, \$1.00, 75c and 50c FOR MATINE LECTURE AT 3:00 Brooklyn Only-

750, 500 and 250

Tickets will be ploced on sale at the Hall Box Offices December 17th, but may be secured by mail in advance from the managers. A Early application is advised to assure securing them. Orders for tickets should be addressed to

J. B. POND LYCKUM BURKAU Micropotatas Lati Britansa i Madton Avenue - New York City Physi Grances, 1993





"Buffalo" Jones

Only Public Appearances In New York & Brooklyn

[ATTACHMENT/ENCLOSURE]



Positively the only public appearances this season in New York and Brooklyn of

"Buffalo" Jones

in his unique Motion Pieture Lecture of the world's most during hunting expedition.

"Lassoing Wild Animals in Africa"

Carnegie Hall, New York
57th Street and 7th Avenue
Friday Evening, December 22, 1911
Academy of Music, Brooklyn
Music Hall, Lefsyrtte Avenue

Sat. Aft. & Eve. December 23, 1911

In addition to his African pictures, Col. Jones will show 1,000 feet of moving pictures of his American exploits prior to his African expedition. These pictures are never shown except by Col. Jones personally.

Prices of Tickets on the Last Page

THE raping of Africa's veilagent animals by the control of the most damped cores in the history, one of the most damped cores in the history, on mankind. It takes curage to feer a charging-linear, or a ribiners, or a ribiners, what in other particular than one's own agility and a thin make like more, But Cod, Jones, But Cod, Jones da data respoision and use-coded in yielg helphosly every needes of high Africa game. He evidently known in what a dundrich light his story of three deeds whigh the took two motion picture outfut with him. The took two motion picture outfut with him. The back two motion pictures outfut with him. They have so that many the most result in the control of the motion pictures outfut worthly ofcar and humber cory phase of this unique form of humbig—bonting that hum to receive the animals.

To quote Col. Rousevelt, o'l did not believe it possible to rope a lion or a rhinoceron as they did, and to have cought their pictures with a chematograph is a thing that has never before from to be approached."

New York. Dec. 1310 Deur New Edison; yours of 15 here, in which you day by Counar accept of a hox all Angle hall to hear my licture and see my fricture Dec. 19th & count anoth of the exerce, as Christmas is far heyond the 22nd Col W. To Cody (Buffels Bill) is more generous than you of fun to be as he has vousented to stay over and he a great of house and introduce the shealler. Then talk chances of being at his home in North Hoth Neh for Christmas Truther, I Shall reserve the Lox all right and may he able to be you Thursday nest if agreeably; as mile arrive from Elicays Thursday morning I leave this Flex for that cay to british the leave of the "124" is " at 14th acres of the acres with lands of the "Avindy city" at Hotel arould meadly right Very truly yours

Edison General File Series 1911. Lectures [not selected] (E-11-56)

This folder contains requests for Edison to deliver lectures. Among the correspondents for 1911 are Moses Gomberg of the University of Michigan and George B. McClellan, Jr., of Princeton University, as well as representatives of the Metropolitan Musical and Literary Bureau of San Francisco and the Lecture Agency, Ltd., of London. The documents contain Edisor's draft replies in the form of marginalia, with notations such as "Lecturina is out of my line-" and "no any."

Edison General File Series 1911. Legal - General (E-11-57)

This folder contains correspondence and other documents relating to the administration of legal matters. Among the items for 1911 are letters pertaining to the estate of John Kruesi, for which Edison and Samuel Insul served as executors and trustees. Other documents concern a case involving the heirs of Robert H. Thompson, the head of a pioneering firm in the manufacture of corrugated products who had served as president of the Edison Portland Cement Co.

Approximately 20 percent of the documents have been selected. The following categories of documents have not been selected: routine letters of transmittal and acknowledgment, unsolicited letters seeking advice or information from Edison, and promotional material. Also not selected are receists pertaining to the New Jersey Patents Co.

Krussi, John

AND CODING PATHON NEWSCHA TELEBRIONE TOOT COUT! ANOT

EATON, LEWIS & ROWE. S B FATON DETINED

Dear Mr. Meieter:-

30-Church Street (CORTLANDT BUILDING)

New York March 11, 1911

May 135 211

G. A. Meister, Esq., Assistant Secretary,

c/o Thomas A. Edison, Esq. .

Orange. New Jersey.

In the Kruesi Estate, Mr. Insull, after going further into the matter with August Krueei and finding that if he joined with Mrs. Batchelor in making distribution in her accounting proceedings, no provision could be made for the education of John Krueei who was etill an infant, decided that it was advisable for you and him to take over the estate long enough to ensure a proper provision for the education of John Kruesi who is now 19 years of age and who has, I think, a year more in Union College. Accordingly the final decree entered by the

Surrogate in Mrs. Batchelor's accounting proceeding directed the estate to be turned over to yourself and Mr. Insull.

An appropriate receipt was prepared by Mrs. Batchelor's attorneys and submitted to me which I checked up with the final decree and found to be correct. Mr. Incull has eigned it. I enclose it herewith for Mr. Edison's signature. After it is

signed, kindly return it to me and oblige

JCR/AK M. 100 (Enc.)

- 1 Junior - Brownia

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/ CASLEGRAMS EATHIS NEWYORK:
TELEPHONE 7897 CORTLANDT

Jaw Offices

EATON, LEWIS & ROWE, S, B, EATON, RETIRED. EUGENE H, LEWIS, DEC'D. JOHN C, ROWE.

30 Church Street (cortland building)

. New York _ April 10, 1911

G. A. Meister, Esq.,

Edison Labratory,

Orange, New Jersey.

Dear Mr. Meister:-

Re Kruesi Estate. I enclose herewith a check for \$592.13 to the order of "Samuel Insull and Thomas A. Edison as surviving Executors and Trustees under the Will of John Kruesi, deceased". You will observe that Mr. Insull has endorsed this. Will you pleasehave Mr. Edison sign his full name "Thomas A. Edison" under Mr. Insull's mame at the place indicated in pencil?

This check represents the cash in the hands of Mrs.

Batchelor on her accounting. Upon receipt of this check, I will
add the words "As surviving Executors of and Trustees under the
Last Will of John Kruesi, deceased" and deposit it with the Farmers'
Loan & Trust Company pursuant to Mr. Insull directions.

Vouse wery truly.

THE WESTERN UNION TELEGRAPH COMPANY

28,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD

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EATON, LEWIS & ROWE.

S. B. EATON, RETIREO
EUGENE H. LEVIS, DEC'O.
JOHN C. ROWE.

Outer de la transmit de la companya de la companya

30 Church Arcel (cortlands building)

New York Nov. 16, 1911

Thomas A. Edison, Esq.,

Edison Laboratory,

Orange, N.J.

Dear Mr. Edison:-

Mr. Insull looked in this morning and instructed me to complete the account of your and his proceedings as surviving executors and trustees of the estate of John Kruesi, deceased, so that the estate may be distributed.

The securities belonging to the estate were deposited with the Farmers' Joan & Trust Company by Mr. Batchelor. To obtain these for the purpose of sale and distribution, it will be mecessary for me to file with the Farmers' Loan & Trust Company a receipt at the time the securities are delivered over to me. I have drawn such a receipt together with an authorization to me to act as attorney for you and Mr. Insull in winding up this estate.

Mr. Insull has signed both the receipt and the authoriza-

Will you kindly sign both of these papers which will be submitted to you by Mr. Alfred B. Trigge of my office who T. A. E. #2

brings this letter.

Yours respectfully,

Jun/AK M. 105 (Rnc.)

Ed. Junios THE THOMPSON & NORRIS CONCORD & PRINCE STREETS. BROOKLYN, 12/7/11 NE 8- 11/1 My dear Mr Edison The Thompson Case "comes tions will not be of a realine to surching of that Rind I dislike to inconvenience you in any way but the matter is important and I ould appreciate it if you would hold yours y Enwice, I remain yours respectfully

21 Friends - Thempson

THE THOMPSON & NORRIS COMPANY,

CORRUGATED PAPER AND PAPER SPECIALTIES.

BROOKLYN.



PRINCIPAL OFFICE & WORKS.

CONCORD & PRINCE STREETS,

BROOKLYN, N.Y.

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AMERICAN INSTITUTE, NEW YORK, 1077.
INTERNATIONAL INVENTORS CHINITION, LONGON, 1085.
EXPERITOR, UNIVERSILLE, PARIS, 1088.
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CASE ABREER.
CORTEXA, BROOK LYM.

Dec. 12, 1911

-

Mr. Thomas A. Edison,

range, B. J. Carre

Wy dear Mr. Edison:-

13 3//

I received Mr. Miller's letter of Mind in due course, and wish to thank you for your willingness to assist us in our case. The case is called for the week beginning Dec. 18th, but we cannot tell just when it will be reached. We can tell, however, within about twenty-four hours, and I will be careful to advise you when I have definite information. Do hot come on therefore until you hear from me again. I would simply request that you held yourself in readiness during the week beginning the 18th.

Yours respectfully,

To insure prompt attention Address All Communications to the Company,

THE THOMPSON & NORRIS COMPANY,

TENN
CONCORD & PRINCE STREETS,
BROOKLYN, N. V.

NOW.
A MENT OF A STREET,
A MAN TO STREET,
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Jours respectfully

P.S. I raper arriving in Unyon City you will bath the sulong hair for Borough was you will land eventure a few sheps of the County Court House

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A.B.C. CODE USED CABLEGRAMS EATWIS NEWYORK! TELEPHONE 7997 CORTLANDT!

Law Offices

EATON, LEWIS & ROWE.

S. B. EATON, RETINED.
EUGENE H. LEWIS, DEC'D.
JOHN C. ROWE.

30-Church Street (cortlandt building)

JOHN C.ROWE.

New York Dec. 19, 1911

Thomas A. Edison, Esq.,

Orange, New Jersey,

Dear Mr. Edison: -

Mr. Insull has signed the account and

the petition for setting the account of yourself and Mr. Insull as surviving Executors and Trustees of the Last Will and Testament of John Kruesi, deceased.

Mr. Alfred B. Trigge of my office will bring to you the original of the account and the petition and ask you to sign the account in various places and also the petition and then verify each before a netary public.

Mr. Trigge will also present to you three checks

as follows:

No. 2 to the order of Eaton, Lewis & Rowe, Attorneys for \$1697.50 which represents an amount to be transmitted to Miss Olga A. Kruesi by us on account of her distributive share.

No. 3, to the order of Eaton, Lewis & Rowe, Attorneys for \$212.50 for legal services and disbursements.

No. 4, to the order of Eaton, Lewis & Rowe, Attorneys for \$156.52 also for legal services and disbursements.

Will you kindly sign each of these checks under Mr.

T. A. E. #2

Insull's signature.

The account will be immediately filed and in due course a decree will issue settling the accounts. I will send you a certified copy of the decree.

Yours very truly,

Edison General File Series 1911. Legal - Litigation - George Harrington, Josiah C. Reiff, and Thomas A. Edison v. Atlantic and Pacific Telegraph Co. et al. (E-11-58)

This folder contains correspondence and other documents relating to the protracted litigation arising from Edison's work on automatic telegraphy during the 1870s. After financier Jay Gould acquired the Automatic Telegraph Co. in 1875, Reiff, one of the original investors, instituted suit, seeking reimbursement for the interests of Edison, Harrington, and himself. Among the documents for 1911 are letters concerning Edison's involvement in the case and its appeal. Also included is correspondence pertaining to the troubled finances and health of Reiff, who died in February 1911 at the home of Mrs. James Hood Wright. Edison, who was asked to serve as an honorary pallbearer at the funeral, declined the invitation on account of illness. At the end of the folder is a two-page summation of Edison's cash advances to Reiff during the period 1888-1911.

Approximately 80 percent of the documents have been selected. The items not selected consist primarily of letters regarding the payment of legal fees, along with duplicates and variants of selected documents.

Related material for 1905-1910 can be found in the "Reiff, Josiah C." folders in the Document File Series (Thomas A. Edison Papers: A Selective Microfilm Edition, Part IV). Related material for 1912 can be found in the "Telegraph" folder (E-12-78) in the Edison General File Series.

J. C. REIFF
20 BROAD STREET

New York Filey 6 4 1911

DEM Exison The hal. & again on my trail on 9 4 Lines over the Penn ruited time They day of activious mel come som no special now from the telegraph decision jet, When it was first submitted to the count I concluded not to Expent a decision under 90 days, although I may come placy time. That a piet of tad luck last much . The Seemend I has as the Copper mine Finialed me by creating an amounthoise debt, the matteria or more ofthe lawyer judgment may laken against no od had to hay 8200. Very fortunally a good fram came bruy aid Homesme the and trusting ing henor. I therefore still our the money but notin in danger of the jud mout

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UNITED STATES CIRCUIT COURT OF APPEALS

For the Second Circuit

George Harrington, Thomas A. Edison and Josiah C. Reiff, Complainants-Appellants

-againstThe Atlantic & Pacific Telegraph
Company, and George J. Gould et al.,
as Executors and Trustees, etc.,
Defendants-Appellants

Byna dais

Before

COXE, WARD and NOYES,

Circuit Judges.

Appeal by both parties from a final decree awarding to the complainants the sum of one dollar as damages for infringement. The case is reported 143 F.R. 329.

WARD, Circuit Judge:

The bill, filed May, 1876, alleges that Thomas A. Edison, a citizen of New Jersey, made certain inventions in automatic telegraphy and also in duplex and quadruplex telegraphy and that the complainants George Harrington, a citizen of the District of Columbia and Edison were joint owners of the patents and of the applications for patents therefor; that December 30, 1874 the complainants, with the defendant Jay Gould, a citizen of the State of New York, agreed to coperate in bringing about an arrangement with the defendant Telegraph Company, which was controlled by Gould, the material feature of which was that the complainants were to transfer

to the Telegraph Company the aforesaid inventions in consideration of 31,800 chares of its capital etook; that assignments were made by the complainants of the inventions in automatic telegraphy and the patents and applications for patents therefor to Gould April 9, 1875 and for the duplex and quadruplex inventions January 11, 1876; that these transfers see made to Gould as trusted for the sole purpose of carrying out the proposed agreement and were to be assigned by him to the Telegraph Company only upon receiving the stock consideration aforesaid, but that he wrongfully and prematurely (assuming that the arrangement would be carried out) and without receiving the said consideration, made assignments of all that he took under both deeds to the Telegraph Company, which had full notice of the foregoing facts.

It is further alleged that the proposed arrangement fell through, that the Telegraph Company refused to pay the consideration and, though notified by the complainants that the transfors were for that reason importative and that it should sease to use the inventions, continued to use them fraudulently claiming them to be their own property and the defendant Gould, though notified to raturn the assignments of January 11 and April 9, 1875 to be cancelled, has not done 80.

The prayer of the bill is that the Telegraph Company be enjoined from using the inventions and required to account for profits and damages resulting from its infringement and that the assignments to the defendant Gould and from the defendant Gould to the Telegraph Company be declared inoperative and of no effect and that Gould and

the Telegraph Company be required to transfer whatever title to the said patents and inventions they have to the complainants or release all claim thereto to them.

It will be observed that no relief whatever is asked against Gould except that the transfers to him be declared inoperative and that he be required to return the same and no claim is made for the consideration of the transfers but only for profits and damages resulting from the infringement by the Telegraph Company. Gould is not charged with fraud or with confederacy with the Telegraph Company by virtue of his assignments to it any more than Harrington is by virtue of his assignments to Gould.

Art. 42 of the bill is as follows:

"42. That the maid George Harrington and the said Jay Gould have always recognized and admitted said trust and the afresaid rights of the said the Jay C. Reiff and his said ansociates of the said in the said ansociates of the said intentions as forcesaid; but the defendant, the Atluntic and Pacific Telegraph Company, have falsely assumed that the said Gould and Harrington complict of the said Harrington by an absolute transfer from said Harrington to said Gould, of the property held as aforesaid, in trust by the said Harrington and that such transfer for many the said Harrington to said Gould, of the property held as aforesaid, in trust by the said Harrington; and that such transfer was to be made without the power that such transfer was to be made without the power that is any others, and Facific Telegraph Company have falsely assumed that although they had, through their said agent, Jay Gould, and otherwise, full notice of the said trust parties and the other parties interested as accessed, by taking an assignment from said Gould, "

When we come to the answers we find that the defendant Gould denies that he uses or has ever used the inventions or that he was guilty of any fraud in connection therewith, although none was charged against him in the bill, and that the Telegraph Company raising no question as to the validity of the patents or of its use of them resolutely stands upon its right to what it asserts it pur-

chased bona fide and for value from the defendant Gould, who purchased from the complainants.

It will thus be seen that the complainants on the face of their own assignements have neither any legal nor any equitable title to the patents and inventions said to be infringed by the Telegraph Company and that no question of patent law is raised nor any question as to the construction of the documents admitted to have been executed. The claim of the complainants is in absolute contradiction of their owm assignements and depends upon their proving t that the Telegraph Company was to enjoy what it received f from them through Gould only upon delivering to the complainants or to Gould for them 31,800 shares of its cap-Suit may be brought in equity upon an equitable title to a patent, but these assignements must be set aside before the complainants are shown to have an equitable title or to have any standing whatever to treat the Telegraph Company as an infringer.

It is true that the bill prays for an injunction and accounting and damages because of the infringement by the Telegraph Company but before that question can be reached the preliminary and essential relief prayed for, vis. that the assignments be set aside on principles of equity must be granted.

The course of the cause has been most extraordinary. The bill was filed in May, 1876. The complainants began to take proofs in October, 1879 and stopped in November, 1880. In December, 1892 the defendant Gould died and in December, 1895 the suit was revived against his executors. In August, 1904 the complainants put the cause on the calendar for trial. The defendants then abtained

leave to take testimony within ninety days from February 28, 1905 and the cause was heard May 15, 1905, twenty-nine years after the hill was filed.

The defendants first raised the objection to the jurisdiction in March, 1905 by asking leave to file a plea to the effect that the complainant Harrington was a resident and citizen of the District of Columbia, which was denied, and after the interlocutory decree on the merits in Decomber, 1906 they applied for leave to file an amended and supplemental answer raising the same question, which was also denied. Still, the jurisdiction of the circuit court of the United States is statutory and limited and it behooves a plaintiff who proceeds there or whose cause is removed there to see that the jurisdiction is complete, elso everything thereafter done may be nugatory. Sec. 5 of the Act of March 3. 1875 makes it the duty of the court, if it appears at any time that the controversy is not properly within its jurisdiction, to proceed no further therein, but to dismise the suit or remand it with such order as to costs as shall be just. Mr. Justice Brown said on this point in Excelsior Co. v. Pacific Bridge Co., 185 U.S. 282 at p. 287:

Now, as the bill in this case differs from an ordinary bill for infringement only in the fact that the suit is by a licenses against two defendants, one of whom is the licenser and owner of the patent, and ing title, there would be no difficulty whatever in sustaining it, were in not for the question whether we are not also bound to consider the averagents of the answer. We whink this difficulty it practiculty stilled by a reference to section of or the three contents of the interest of the section of the section of the content of the section of the content of the content of the section of the secti

the said Circuit Court shall proceed no further therein, but shall dismiss the suit, 'eto, While it seems reasonable to say that a jurisdiction once acquired by the filling of a proper bill ought not to be taken away by any subsequent pleading, the statutue is peremptory in this particular, and requires the court to dimmiss the case whenever at any time it shall appear that its jurisdiction has been improperly shall appear that its jurisdicton has been appropriationvoked. We are by no means without authority upon this question. In Robinson v. Anderson, 121 U.S. 522, it was held that when it uppeared, after all the ploadings were filled, that the averaments in the declaration which alone gave the court jurisdiction, were immawhich alone gave the court jurish outling west mima-terful and made for the purpose of creating a case cognizable by the court, it was the duty of the Circuit Court to disails the hill for want of jurisdiction. Said the Chief Justice: "Even if the complaint, stand-Salt the Unit dustice: Even it the complaint, Standing by itself, made out a case of jurisdiction, which we do not decide; it was taken away as soon as the answers were in, because if there was jurisdiction at all it was by reason of the averments in the complaint as to what the defences against the title of the plaintiffs would be, and these were of no avail as soon as the answers were filed and it was made to appear that In Williams v. no such defences were relied on. Nottawa, 104 U.S. 209, this court went so far as to dismiss a case in which judgement had been rendered for the plaintiff in the Circuit Court, because it appeared from the testimony of the plaintiff that certain bonds were put in his hands for collection in which he had no real interest. It was held that it which he had no real interest. It was held that it was the duty of the Circuit Court on its own motion, as soon as the evidence was in and the collusive character of the case shown, to stop all further proceedings and dismiss the suit, the Chief Justice further remarking that this provise of the act of 1875 was a malutary one, and that it was the duty of the Circuit Courts to exercise their power under it in proper cases. See also Wetmore v Rymer, 169 U.S. 115; Morris v.Gilmer, 129 U.S. 310; Lake County Commissioners v. Dudley, 173 U.S. 243.

This court upon appeal remanded a case, though the objection as to citizenship had not been taken by either party, Newcomb v. Eurbank, 181 F.R. 334.

The Circuit Gourt having no juriadiction of the parties because of citizenship. <u>Hoose v. Janison</u>, 166 U. S. 395, the question in the case is whether the cause in arising under the patent laws of which the court has jurisdiction without reference to citizenship of the parties under secs. 629 subd. 9 and 1711 subd. 5 of the U. S. Rev. Stat.

We find it very difficult to say that the bill is one for infringement under the patent laws in view of Wilson v. Banford,
10 How. 99 and Hartell v. Tilchman, 99 U.S. 547. In the
former case the complainants prayed that a license be set
aside and that the defendant be enjoined from infringing and
in the latter the complainant prayed for an injunction and
account, stating that he had cancelled a license theretofore
granted to the defendant. In both cases the court held that
there was no jurisdiction and this apparently on the ground
that the licenses must be first set aside on equitable principles, which because the amount involved in the first case
was less than \$2,000 and of the lack of the proper diversity
of citizenship in the second, the Circuit Court could not do.

In this case the complainants granted not merely

a license under patents, but the patents and inventions themselves and no injunction or decree for an accounting could no exainst the defendant Telegraph Company until the assignments which on their face fully authorise it to use the inventions are set aside on equitable principles. These cases also show that the mere fact that the bill alleges infringement and asks for an injunction and accounting in not snough to establish the jurisdiction of the Circuit Court.

The judge of the Circuit Court, in coming to an opposite conclusion (143 F.R. 329,336) said:

"Having stated the essential facts and my conclusions thereon, I come again to the principal chjection insisted on by counsel for the defendants. As already stated, the question of jurisdiction depends upon whether this suit arises under the patent laws or whether this sust arises under the patent laws or whether the issues merely involve the violation of contractual the instance of the property of the contractual that is a suit of the contract

Martell v. Tilghman, 99 U.S. 547; Albright v. Teas, 104 U.S. 613. And in White v. Rankin, 144 U.S. 629, the distinction between such cases and those wherein the infringement is of the sensore of the bill is clearly of the control o

We do not think the authorities sustain the conclusion. In <u>Littlefield</u> v. <u>Perry</u>, 21 Wall. 205, the complainant was assignes of an exclusive right under the patent for New York and Connecticut, which the defendant, the patentes and assignor, was infringing. The rights of the parties were regulated by written agreements about which there was no dispute. The question was whether under them the complainant had a right to sue and this question the Suprems Court held could be determined as incidental to the title in a patent cause. There was no need to set aside any in-

In <u>Excelsion Co.</u> v. <u>Bridge Co.</u> 185 U. S. 282, the complainant, which had an exclusive license under the patent for the Pacific states, brought suit for infringement against the patentee and one to whom he subsequently granted a license for the same territory. The only defense was that the complainant had forfeited its license. The question being only as to the sxistence of the license, the court held it to be within the jurisdiction of the Circuit Court in a patent cause as part of the complainant's title. distinguishing between a suit by a patentee and one by a Timensee

on the ground that the latter would have no adequate remody by suit in the state courts.

In Atherton Hackins Co. v. Atwood-Morrison Co.,

102 F.R. 949, the complainant, as assignee of Letters Patent,
sued the defendant for infringement, who claimed under a
later assignment. Held that the assignor not being a party,
the suit was not upon contract but involved merely the plaintiff's title. In this case the question was one of construction of undisputed documents, under the patent law.

It seems to be conceded by the complainants that if the title to the patents depended upon a contract or contracts between them and the defendants, the Circuit Court would not have jurisdiction. But we think that exactly the same reasons apply when the title depends upon grants alleged to be fraudulently obtained or retained.

We feel compelled to the conclusion that the Circuit Court had no jurisdiction of this cause and the decree must be reversed, but in view of the circumstances of the case the court below is directed to dismiss the bill without costs of cither court.

New York, XI thy 18 191 We must go to Washington will on telegrape cas. I Expected that moved by the result Whether the decision as present may far a against as The court does not discuss the ments but decides the court has no crifinal funisdiction, as it was and an adming Patent care. of course this is a redicalory outrage but as no othe question than the one of prindiction is raised am lold the appeal mies be a simple mos a costly matter, Umforaily it's in taro of the Rotters, but only for a while of shall tak immeriate steps & appeal will keep you avrises. I mil nova yiers while Ihave life yeeks by Compromise. Inever enough a man kumish in my life, hereas I cannot consent to among

sent you a copy of the decing in the Telegraft care The detall are unaterating of assel you of the for-Isandyon copy by weel. Us circuit pers are suffered to is a least intelligent of not always fair tient, but the deces miceles with designed of the record rof gueto-In Lyer will tell you the decina is absolutel wishour went rains Heleanest endure that the progs never really real the of institute of the is one elemen Clary than anoth it is that the con has prinsditting . Once the purps paid there may a control their ener grow of are a is look of pins dieting, but the may

Equitable life & 482 ourse I moved not call "Except in my helplereness. am arranging The appeal in our telegraph case + will get some friend to go on the appeal bond. The lawyers all simply sideals the decision just hand ed down. The proceeded afor an Entirely false basis, vy that we had a formal Contract with the articles instead of a conditional trust agreement and Jay Sover personally He are as certain now four as water runs down hill, as the ments who rever disputed They decision is solely on the question of periodiction + three (3) us Just had already decided the court had juris sites. Has the Judge of the US Come offeat, not

J. C. REIFF 20 BROAD STREET TELEPHONE, 754 RECTOR

New York, Sel- 27 2/9// 191

Thos. a. Edison Esq. confined to the house requisted her to write you arking if you would kindly apply to his letter of Feb 24 th in which he expused the wich for a check for 482, 20. Your very tenly ! E. Reeff Ju. THI there

mr miller mr Reiff shows that the Iderald my World of to-day - refer to the court decision of the Telegraph Cars and asks that in case reporters attempt to interview my Edison about it - to please refer them to Mr Reiff-

Mr miller!m J.C. Reiff died this morning about 8 o'clock of premonia up 754 Rector - they wish to talk to you. 6 Stagesty in 1886 in Konsos ichi ple later av xues lound by abserses and very notice of my bother Late Sortah (It The City um deed date I mosel 2.11 Afind stoled decision abricerine, the he graphie instruments, Suplexite, which Goic my brother and some other dained to to the nighther owners of had brown mudling about Two works before hothers death -Do you know this to a fast? Ofis is a fast any quel ingdieste in a brief orpey whether - not the decision was

v nuble to you hother my the other porties interested. Bother indence a few months la And his defath sungished con cerning this Duit & once found employment no your Ampai in 78t 174 and met you in the Phila Office Sond, DX- It you coult to inlighter me once what upon the Stolus of This fruit if not settlese almudy, you will flow one i dioten dose, followed you business corres 19nd admine much in your business left , When is & Ho, John Hoping that gow may live on to bless humanic, and at the some time how all the Hessings they you an sopole of inspiring the to be amseline a bother of one of

Duy Day the sunt want agreement us but we shall probably appeal to the supreme court & possibly may ultimately

TH- Rigg

The British Columbia Copper Company Simited.

31. Nassan Street

Executive Office.

New York, March 16th, 1911

Thomas A. Edison, Esq.,

West Grange, New Jorsey.

Dear Sir:-

It is my privilege to hand you herewith, on behalf of the Board of Directors of this Company, an expression of regret and sympathy as to the death h C.Reiff.
Very respectfully yours.

Went ter Secretary of colonel Josiah C.Reiff.

At a Recting of the Woord of Directors
of The British Sclumbia Sopror Company, Minited,
Note Rareh 14th, 1911
The following expression as to the doubt
of Colonel Jestuh C. Reiff
was unmanisonally adopted.

The Hours of Directors of The British Columbia Copier Company, Limited, desire to place on record an expression of their deep repret at the douth of Colonel Josiah C. Roiff.

Colonel Reiff was elected to this Board during Yohrnary 1904, and from that time until his death served and fulfitled nest consciontiously the duties imposed upon him as " Mreeter. He never lost an opportunity to act and express himself nest fearlessly in behalf of the interests of the Company, and those he so cell represented on its Board, and his devotion to and comprehension of the Company's affairs, together with his genial personality, renders his loss all the greater and makes it the more difficult to fill the place he coempied in our councils.

The members of this Sound Lish to empress their marsest sympathy for the members of Golonel Reiff's family and mearest friends, believing that they too have contained an irrespendic loss, and direct that ecies of this limute he handed colonel Reiff's ment of him, Iru. J. Hood Tright, at home residence he died, and other of him close friends, and also that this empression of sympathy and report be direct upon the Records of the Company.

Temmanos

coretar.

Telephone 6810 Stanover mr Remick 174 th st and host Washington nn Edism: -nn John markle arrivel - (between Broadway telephones that you have and the river They wish been selected as me of the to be advised as to whether Honorary paul bearers at you can be present or not. the funeral of the late E Haguly Cool of Reiff - The funeral will take place tomorow at 230 pm from the

residence of mis J. Hord Wright.

Mr Edward

Mile you see Mr Lybrand

tomorrow after timeh

Scull

Markle - g am feeling ill and do not believe Ishould attend the funeral Files

Jasan, apir, 28, 1911, 1/2 Wille Eden har Difer :bearing that her Edison's M Net 28, madel Total Reiff you the pu pre of paying a premium (\$462 20) of Insurance The that Day upon his (Reists) life-) has not hen seceived at bol Reiffs affice mutel after his death has not been need of reposited, as pet, by his administrators, I augusted to the Hill, (one of Col, Reigh's administrations,) That the chief be returned to the Edison I and I telephoned to you office, to advice that payment thereon be Telaped. of course, if the cheer were Let Fifore Cal, Reights delivery, bux comox su

a chief sur for a spiritic purpose, newvered immedinary if not mided impossible to Teath. can be brapule and a applied In any ather purpose, this hence Think that the cheek should he returned puth Edisin and that, in the meantime, payme thereon should be Stapped, Hastile Sams, Ovange, M.

> APR 29 1911 FRANK L. DYER.

In Re Reeff claim. april, 29, 1911. 2) Earlin hister; Phase find enclosed Receipt You Two Kinders (200) Pallar Retainer in the hather of her Ediron's pural claim against the Estate of Col & CReiff. Hart Mount Ober april 26/1911) Crange, N. J., April 19th 1961 Received from Thomas a. Edwar Two hundred # Retainer in Claim against Estate of loss Jlo Reiff

April 29, 1911.

Mr. Frederick J. Stone,

33 Broadway,

Now York.

Dear Mr. Stone:

Yours of the 18th inct. has been received, confirming your telephone suggestion that payment on Er-Edison's check for 4402.80 of Pebruczy 26, 1911, should be stopped, and I immediately advised Er. Miller to this offect. I thank you for this suggestion.

Yours very truly,

FID/IWW

Goneral Counsel.

fur

United States Circuit Court of Appeals

SECOND CIRCUIT.

(In Equity.)

GEORGE HARRINGTON and THOMAS
A. EDISON, and DANIEL T.
REIFF and PHILIP S. HILL AS
Administrators of the Goods
and Chattels of JOSIAH C.
REIFF, deceased,
Complainants and Appellants.

agalnst

THE ATLANTIC & PACIFIC TELE-GRAPH COMPANY and GEORGE J. GOULD, EDWIN GOULD, HELEN M. GOULD and HOWARD GOULD, as Executors and Trustees under the Last Will and Tesment of Jay Gould, deceased, Defendants and Respondents. Assignment of Errors.

And now on the third day of July, 1911, come the plaintiffs, complainants and appellants in the above entitled action, by Frederick J. Stone, their solicitor, and respectfully show and allege that the roder and decree of the United States Girenit Court of Appeals,—made and entered in the above entitled cause February 24, 1911, reversing the final

decree of the Circuit Court in this cause rendered on March 7, 1910, upon the ground "that the Circult Court did not have inrisdiction of this cause" and directing the lower Court to dismiss the bill, without costs of either Court "for lack of jurisdietion."-was and is erroneous and against the just rights of the complainants, and they herewith file the following "Assignment of Errors," upon which they will rely upon the prosecution of their appeal from the order and deeree of this Honorable Court, -(dated the 24th day of Fehruary, 1911, and filed in the office of the Clerk of this Court on the 24th day of February, 1911,-) reversing the final decree of the Circuit Court upon the ground "that the Circuit Court had no jurisdiction of this cause" and directing the lower Court to dismiss the hill herein without costs of either Court "for lack of jurisdiction,"-and their appeal from the mandate issued thereunder to the lower Court and from the order and decree of the lower Court, entered thereon or thereunder, dismissing the hill of complaint for lack of jurisdiction and from any and all proceedings, taken or to be taken, thereon or thereunder; and the complainants and appellauts assign the following errors and respectfully show and allege :-

I. That this Honorable Court erred in ordering, adjudging and decreeing "that the Circuit Court had no jurisdiction of this cause," and likewise erred in ordering and directing like lower Court to dismiss the bill "for lack of jurisdiction," whereas this Honorable Court should have attirned the interiocutory decree heretin, and by Mr. Justice Court should have attirned the interiocutory decree heretin, and by Mr. Justice Court of the U. S. Circuit Court December 20, 1906, adjulicating the defendants guilty of infragement and ordering an accounting herein.

II. That this Honorable Court erred is failing und refusing to find and decree that the United States Circuit Court had original jurisdiction over this cause, whereas this Honorable Court should have held that this cause was one of which the said United States (Frenti Court had original jurisdiction under the Constitution and laws of the United States.)

III. That this Honorable Court erred in failing and refusing to find and decree that the defendants were guilty of infringing patents belonging to the complainants respecting automatic telegraphy, whereas such infringement was duly proven by uncontradicted evidence; and this Court erred likewise in failing and refusing to hold that complainants, as the equitable owners of the patents, could bring suit for infringement and the Circuit Court could acquire jurisdiction (of such suit); and this Court likewise erred in failing and refusing to hold that Gould took title to Complainants' Patents as a trustee only and that his assignment to the defendant corporation was in violation of the trust imposed upon him by complainants, of which trust the defendant corporation had full knowledge, and was therefore inoperative and ineffective to convey the title or prevent complainants, as the equitable owners of the Patents in suit, and as the legal and equitable owners of Case "H", Letters Patent 162633 from maintaining a suit for the infringement thereof, arising under the Patent Laws, whereas the Circuit Court was given and acquired original jurisdiction of this cause under the Constitution and Laws of the United States, as more fully appears in the opinion of Mr. Justice Hazel, and the interlocutory decree adjudicating infringement herein, reported in 143 Federal Reports, page , reference to which is hereby made and which is made a part hereof.

V. That this Honorable Court erred in failing and refusing to find that Harriagton and his associates were the owners of the Edison inventions in duplex and quadruplex telegraphy and of the patents and patent rights relating thereto, and in ignoring and refasing to necept the admissions contained in the bleadings on this subject.

VI. That this Honorable Court erred in failing and refusing to find and decree that the defendants were guilty of infringing compininants' patent rights and inventions relating to Duplex and Quadruplex telegraphy, whereas such infringement was duly proven by uncontradicted ortifence.

VII. That this Honorable Court erred in failing and reducing to find that the use of the Edition Quadruplex Inventions by the Western Union Telegraph Company (the successor company to these defendants), was a direct infringement of the invention first known as "Guas H; which eventuated in a patent issued to Harrington and Edison, April 27th, 1876, as U. S. Letters Patent No. 102,633, and in failing and refusing to hold that said Patent No. 102,633, was the basic patent of the quadruplex and

in ignoring and refusing to accept the direct admissions contained in the pleadings on this subject.

VIII. That this Honorable Court erred in failing and refusing to ind that the complainants were entitled to recover as damages the value of the use of their patents and patent rights as measured by the value theoreof placed thereof hybe parties themselves by the memorandum of December 30th, 1874, and the letter of instruction of April 10th, 1876, attached to the bill of complaint herein and in disregarding the evidence in that respect.

IX. That this Honovable Court erred in falling and rehising to find that complainants were distinct to receive as damages the value of the 27,404 shares of Atlantic 8 Pacific Telegraph Court of the price of the 10 pacing of the

X. That this Honorable Court erred in failing and refusing to find that the complainants were entitled to recover the sum of \$1,022,760, with interest from August 20, 1877, as just, true, lawful and proper damages sustained by the complainants by the unlawful infringement of the defendants.

XI. That this Honorable Court erred in failing or refusing to find that the missuppeoprishin by the defendants of the patient rights and intervise mentioned and set forth and charged in the bill was in within violation of containants' patient rights and constituted an intrinspense of complainants' patient rights and intervent sense of the patient rights and intervent with the value placed upon the said patent rights and intervent by the parties themselves wis proper and legal evidence of such damages and, in the absence of contracting the territory, contained evidence of such

XII. That this Honorable Court erred in falling and refusing to find that the wrongful appropriation and conversion by these defendants of complainants' patent rights and interests constituted an infringement thereof for which a recovery could be had in this action; and this Court likewise cred in disregarding and refusing to follow the opinion of Mr. Justice Hazel, filed herein on January 25th, 1906, in which, among other things, it was held that "the facts amply show that not only a trust "relationship between Gould and the equitable "owners of the patents, but also that the former "participated and profited in the infringing acts. "In short, he instigated the tort or trespass and "effectuated a wrongful appropriation of complain-"ants' patents. He invaded rights which the laws "were designed to protect. He controlled the "transactions of the company and was a principal "in the wrongdoing, and hence, his representatives "cannot now be heard to disclaim responsibility "from the consequences of the acts which are the "subject of the complaint."

XIII. That this Honorable Court erred in failing and refusing to find that there was uncontradicted proof adduced before the Master of infringement by the defendants of complainants' patent rights and inventions, which the Court was bound to accept and adopt as true.

XIV. That this Honorable Court erred in refusing to accept the admissions of ownership of the Duplex and Quadruplex Patents, stated in the Bill of Compilant and admitted in defendant's navers, and also erred in refusing to order the cause to be resubmitted to the Master with instructions to find and report substantial damages for the infrigement of compilanant's automatic patents and with instructions to admit proof of profits and damages relating to the infringement and use of complainants' patent rights and inventions relating to duplex and quadruplex telegraphy.

Wherefore, your complainants pray that for the errors and omisions aforesaid the decree and judgment appealed from may be reversed and the interlocutory decree, adjudicating infringement and ordering an accounting herein, may be affrend, and that the Court below be directed to refer it to a new Master to be appointed by the Curt below, to take proper evidence under the ruings and directions of this Court as to the duaration of the court of the court as the distribution of the presidence of the court and they are complainants may have such other and further relief in the pressibles as to the Court shall or may seen just and equitable, together with the costs of this appeal.

Dated N. Y., July 3, 1911.

Frederick J. Stone,
Solicitor for Complainants and Appellants,
33 Broadway,
New York City, N. Y.

ALTON B. PARKER, Of Counsel.

UNITED STATES CIRCUIT COURT OF APPEALS.

SECOND CIRCUIT.

(In Equity.)

GEORGE HARRINGTON and THOMAS A. EDISON, and DANIEL T. REIFF and PHILIP S. HILL as Administrators of the Goods and Chattels of JOSIAH C. RRIFF, decrased, Complainants and Appellants,

against

Petition of Appeal.

THE ATLANTIC & PACIFIC TELE-GRAPH COMPANY and GEORGE J. GOULD, EVEN GOULD, HELEN M. GOULD and HOWARD GOULD, as Executors and Trustees under the Last Will and Tesment of Jay Gould, deceased, Defendants and Respondents.

To the Honorable E. Henry Lacombe, Henry G. Ward, Alfred C. Coxe and Walter C. Noyes, Justices of the United States Circuit Court, sitting as Justices of the United States Circuit Court of Appeals, in and for the Second Circuit:

The complainants in the above-entitled action, conceiving themselves aggréered by the manifold errors in the record and proceedings herein and by the decree of this Honorable Ourt, bearing dut February 24, 1911, and made and entered, in the Gene of the Clerk of the United States Circuit Court of Appeals in and for the Second Circuit, or the said 24th day of Pétruary, 1911, reversing on the said 24th day of Pétruary, 1911, reversing

the interlocutory decree herein entered in the United States Circuit Court in and for the Southern District of New York, on the 20th day of December, 1906, and reversing the final decree then made and entered in the said United States Circuit Court in and for the Southern District of New York on the 7th day of March, 1910, upon the ground that the said Circuit Court had no jurisdiction of this cause, and directing the court below to dismiss the hill of complaint herein, without costs of either court, for lack of jurisdiction, do hereby appeal to the Supreme Court of the United States from the said decree and order of the said United States Circuit Court of Appeals in and for the Second Circuit, and from the mandate and order issued thereunder to the lower court and from the order or decree of the lower court dismissing the hill of complaint for lack of jurisdiction, for the reasons specified in the complainants' assignment of error, which is filed berewith.

which your petitioners espectfully pray that this oppoil may be allowed and a citation granted directed to the above named defeatants, The Atlantic & Pacific Telegraph Company, and George J. Gould, Edwin Gould, Helen M. Gould and Howard Gould, as excentors and trustees mader the last Will and Testament of Jay Gould, deceased, commoding them to appear lafore the Supreuse Court of the United States to do and receipment Court of the United States to do and receipments, and appear that to palmed the proceedings, appears, and ordinees if the record, proceedings, appears, and ordinees in the said cause, wherein the said decrees and orders appealed from were made, may be duly authenticated and sent to the said Supreme Court of the United States.

FREDERICK J. STONE,
Solicitor for Complainants and Appellants,
33 Broadway,
New York City, N. Y.

The foregoing appeal,—from the order and decree of this Ourt rewersing the final decree of the Circuit Court inpon the ground that the Circuit Court han do jurisdiction of this cause and directing the lower Court for lack of jurisdiction and from the mandate and order of this Court issued threamed directing the said Circuit Court to diemiss the bill of complaint, without costs of either Court, for lack of jurisdiction,—and of the Court, for lack of jurisdiction,—and and it is hereby certified that the court of the court of the court of the court of the United States is involved in this appeal, and the hond or undertaking upon the said appeal is fixed at Five hundred dollars.

Dated New York, July /-7, 1911.

astree of the U. S. Circuit Court in and for the Southern District of New York, sitting as one of the Justices of the U. S. Circuit Court of Appeals in and for the Second Circuit.

By the Honorable Henry G. Ward, one of the Judges of the Circuit Court of the United States for the Southern District of New York, in the Second Circuit, to The Atlantic & Pacific Telegraph. Company and George J. Goold, 25 win Goold, Helen M. Gould and Howard Goold, an Executors and Trustees under the Last Will and Testament of Jay Goold, deceased, Gerether:

You are hereby cited and admonished to be and appear before the Supreme Court of the United

States, to be holden in the City of Washington, in the District of Columbia, on the /4 day of august, 1911, pursuant to a petition of appeal and assignment of errors and order allowing the said appeal, filed in the office of the Clerk of the Circuit Court of Appeals, in and for the Second Circuit, wherein George Harrington, Thomas A. Edison, and David T. Reiff and Philip S. Hill, as Administrators of the Goods and Chattels of Josiah C. Reiff, deceased, are the complainants and appellants and you are the defendants and respondents, to show cause, if any there he, why the errors assigned in said petition of appeal and assignment of errors filed therewith should not be corrected and why the decrees and orders appealed from in the said petition of appeal mentioned should not be correeted and why speedy justice should not be done in that behalf.

Given under my haud at the Borough of Manhattan, in the Gity of New York, in the District and Gireuit above named this /7 day of July, in the year of our Lord one theusand nine hundred and eleven, and of the Independence of the United States the one hundred and thirty-five.

Judge of the Circuit Court of the United States for the Southern District of New York, in the Second Circuit.

I teleg - Rigg July, 18, 1911. En hu Edisan; 10 11 of run Deleding you and En Experate Caser the appeal Papers, which Ifile in the U.S. Circux Come of appeals. and in the part. Circuit Court, yes tulay In Each case, they conside of assignment of Evoro; Petition of tappeal and order allowing the appeal of and certificate that a question of jurisdiction is moduled -) and Citation on Appeal, I also filed the two Bouts , which you who Somet Company Extended paper he Judge has and his approved thereon. I thurst me are in Excellent Thepe, and fact tackly factor

Lyonwice see Mr FH Wheelock who was Ruffs private Sea for many years you Compredeably get all the information washall need as to Trapely - Duarry Montgage Rullerford Wording

Tile - Raify I have to \$ 25 m eas Glid of the Us Sussem which, with a cutiff transcripe of the Rund or have this Tay sung to the the Suprembe trus at Washing I will send the hoursoupe of the Riens of the arems it to at \$250 check as from to

Edison General File Series 1911. Legal - Litigation - Thomas A. Edison v. Allis-Chalmers Co. et al. (E-11-59)

This folder contains correspondence and other documents pertaining to a patent infringement suit, which, when settled on November 29, 1911, sustained Edisor's key crushing-roll patents. Most of the documents are by Edisor's counsel Louis Hicks, and some contain marginalia by Edisor. Also included is a letter by Walter S. Mallory of the Edison Portland Cement Co. concerning the introduction of new pulleys at the cement works in Stewartsville. New Jersev. in 1907.

All of the documents have been selected except for duplicates.

Other documents relating to this case can be found in Harry F. Miller File, Group 2: Allis-Chalmers Case Settlement (Legal Series) and in Edison v. Allis-Chalmers Co. et al. (Thomas A. Edison Papers Digital Edition, 0X001).

OR Arching . Ednow is allow Challers (Concerning Grand Rolls at New Wiley)

CONSELLOR AT LAW AND PROCTOR OF ADMIRALTY CORPORATION, PATENT AND GENERAL LAW,

CORPORATION, PATENT AND GENERAL LAW, I NABBAU STREET, CORNER JOHN STREET.

Thomas A. Edison, Esq. Edison Laboratory,

My dear Mr. Edison: Edison -v- Allis-Chalmers Co. et al.

I enclose a copy of a reply and of a letter sent today to Judge Hazel in the above suit. Defendants counsel
made numerous typewritten annetations to the complainant's
brief, and having pasted them on the margin of a copy of the
brief, presented them to Judge Hazel. The enclosed is my rebly to their "annotations".

No opinion has been rendered yet, and it is not poscible to tell just when the case will be decided. While my reply was, perhaps, not necessary, I thought it better to send it in lest the judge be misled.

With regards, I am,

Yours very truly,

Just Jan Still

Hon. John R. Wosel.

U. S. Judge.

P. O. Building, Buffalo, N. Y.

Dear Sir;

Raison v. Allis-Chalmers Co. et al.

Defendants' councel having presented to your Monor on "empotence" copy of complement's briat, the following rophy is respectfully presented on behalf of complement. The prints only will be ornedered, or follows:

- I. The mome of the Faison inventions of the claims of the patents in out and defendants! infrinceant II. The fact that defendants could the faison continue of the patents in retain the pulleys feet on the roll-charte on wall of in all other orticities.
- I. The record and the bring multiple finding the fact that Mr. Editon was the fact to breek rook by kinetic energy. In the prior at there was not the remote that of integral kinetic rethind nor any apparatus capable of purpose of that mathod.

It and Fr. Edicon's rehievement to device a method and apparatus capable of breaking up and crushing rock-wasses, bloomed out at the quarry in large quantity, without the tedicus and expensive reduction of the rock to small pieces, by re-blasting and hand-sledging, necessary to feed the reck to the jaw-crushers and gyretery crushers shigh were the only primary restable driving apparatus coplanes in the order ort. According to the cylinges offices nto. tried engineers characterined Mr. Lain "hobby"and his "folly" and pointed out to him that "no! machine could be constructed powerful encumb to cruck succosofully five, six and coven ton racks" or to "withstand the terrific jar which would result" (see BeClure's Magazine, complife brief, p. 239). Mr. Edison was attempting to dewice a method and a machine that would do work never dene

previously by any machine and thue solve the problem which he set for himself of breaking and crushing, without reblasting and hand-sledging, rook-masses just as they were blasted out at the quarry, in immanse volume from the natural rock formation (complite brief, pp. 185-187). The state of the art was such that it offered no suggestion for the selution of this problem, which has been solved only by Mr. Edison's kinetic method and apparatus. After years of experimental work and failure and by the expenditure of immense sume of noney, supplied by himself alone to the extent of ever \$2,000,000 and almost without assistance from others (complite brief, pp. 254), he succeeded.

Mr. Edicen succeeded by evolving the kinetic method and the kinetic apparatus. Both wore fundamentally new, accomplishing a result proviously thought to be impossible and never yet accomplashed by any othermethod or machine (complite brief, p. 164). The inventions of the patents in suit are, therefore, of great merit and the questions involved in this suit are not to be decided upon the tochnical quibbles interposed by defendants to ward off the consequences of their deliberate pirating of the principles and details of the inventions.

The question, therefore, is - Of what do the pseunted inventions consist? What are the kinetic method and apparatus described and claimed? The essence is the developing and storing of an enormous amount of kinetic energy in massive rells traveling at a high rate of speed and periodically expending enormous portions of the three kinetic energy upon the rock masses in order to break them up and then cruch them.

The rells weigh from 25 to 45 tons each, more or less, and travel at a surface speed of from 3400 to 4000 feet per

minute (complt's brief, pp. 67-69), so that the kinetic energy developed and stored in the rolls is so enormous that, in rolls such as the New Village and Pekin rolls, it amounts to 2,320,000 foct-pounde (complt'e brief, pp. 80-81). In the periodic breaking of successive charges of rock, fed to the rolls at intervals, as much as 1,390,000 foot pounds of energy will, in many instances, necessarily be expended in the breaking of a single charge of rock, leaving in the rolls only . 930,000 foot-pounds or only 2/5 of their original store of kinetic energy or far. less than that expended in breaking the single charge of rock (complt's brief, p. 207). The Cornish and other rolls of the prior art, relied upon by defendants, were capable of developing only 8100 foot-pounds of kinetic energy, about 1/2 85 part of that developed in the Edison kinetic, giant rolls and about 1/170 part of that required to be expended, by the Edison rolls, in breaking a single charge of rock(complt's brief, pp. 205-208).

Hence, in the prior art, the ariving agent, and not the energy of the rells, did the work of crushing and pulverizing small pieces of rook that had previously passed through the jas-crusher or the gyratory crusher, a surficient power boing at all times, applied to the rells by the driving agent which was at all times subjected to the entire strain of the work boing done(complt's brick, p.240). In the Eddson machines the driving agent (the belt or belts) serves only to bring the rolls up to speed, the work of oracking and crushing the rock-masses being dame by the registly retains massive rells, provided with strong, tenacicus, hammering knobs of different heights, through the periodic and sudden expenditure of onermus pertions of the immense store of kinetic energy previously developed in the rells during the intervals when ne work was being done.

The foregoing kinetic action of the Edison rolls was fundamentally new. There is nothing like it in the whele range of the history of the rock-breaking art. The described kinetic action is the substance and gist of the inventions.

The rest are details. The prior art contained no apparatus capable of such action.

In order that each massive roll might expend its kinetic energy upon the rock and not upon the other roll, Edison did not connect the two rolls by any rigid connection, as by toothed gearing, and apply the driving agent or agents to one rell only, so that the other roll would be driven secondarily and dependently through its gearing connected with the first roll, but he so constructed his machine that each roll was driven independently by the driving agent (the bolt), each roll being provided with its own separate pulley bearing independently upon the driving agent, so that each roll received its mation directly and independently, through its pulley, from the driving agent and

not secondarily and dependently from the other roll, through any rigid connection, such as toothed goaring, between the two rolls.

Thus Edison made his rolls "independently driven and discennected", which expression has no other limitation than that above given arising from anything to be found in the prior art or set forth in the patents in cuit. Tha court will observe that the expression refers to the "drive" of the rolls and not to the capacities of the rolls so driven. Edison did not make one roll drive the other through toothed gearing, but he employed an independent drive for each roll, consisting, in the example shown, of a single belt importing motion to each roll independently through the separate pulley thereof. The idea is that each roll shall receive its motion directly from the driving agent (the belt) through its own separate pulley and not from the other roll through any rigid connection, such as toothed gearing, between the two rolls. The "independently driven and disconnected massive rolls" are mechanical elements and not functions or capacitics. The phrase describes the construction, and not the mode of operation, of the machine. This matter has been so fully shown by Mr. Bentley, when considering the preceedings in the patent office and the prior art (complt's brief, pp. 31-38; 160-162; 321-324; 324-329) that there can be no doubt upon it whatever. The scope of the inventions of the patents in suit, in viewof the prior art, is such that the claims should be so construed, under the sottled rule (complt's brief, pp. 160-171; 324-329), as to protect the inventions fully. As pointed out by Mr. Bentley (complt's brief, p. 33) when he came to consider the prior art:-

"It is manifost, as a matter of fact, that the prior art was devoid of any hint or suggestion of Edison's method of gracking rook-masses by oppositely directed hammor blows of hammering rolls having great weight and speed. As a matter of nevelty that method was fundamentally original with Edison. I see no good reason why Edison should have added that the rells were 'independent' or 'independently driven or disconnected'. That, however, is incidental to the capacity of the rolls for delivering their store of kinetic energy in hammer blows upon the rock, a cepacity which would not exist if the rolls were positively connected by gearing and one only of the rolls was driven. I, therefore. take it to mean that the two rolls are not inflexibly geared together by toothed gearing like those of Babbitt, Stutz and Culvor, and also that the driving power is not applied to one roll merely, the second being positively geared to the first, or in the case of Babbitt, Stutz and Culver.

In order that the Edison, kinetic, massive rolls might doliver their kinetic energy upon the rock in harmor-like blows, Edison provided strong, harmoring knobs upon the surfaces of the rolls, and in order that the kinetic apparatus might be effective to break up and then crush large pieces of rock he provided one or more sets of higher, sledging knobs that shattered and reduced the large rock above the rells, so that it could then be subjected to the relling action of the knobs between the rolls, a construction and made of operation entirely now. These knobs, as well as the action thereof, were fundamentally new (complets brief, pp. 71-72; 199-200).

The prior art does not show a single example of roughened rolls driven by a belt, nor even a single example of a rook-crushing roll with hammaring knobs (complt's brief, pp. 220,356.)

In order to carry out his method of breaking rookmasses by kinotic energy and in constructing his kinotic rolls, Mr. Edison employed a small driving power, delivering power to both the rolls, insufficient to break the rock by the direct emplication of the power or to etart the rolls

from a state of rest. In other words, the driving power, employed was so small that the periodic, gradual accumulation, and the periodic, sudden expenditure, of kinetic energy was necessary to break the encoessive charges of rock poriodically fod to the rolls. Such an arrangement and such action were entirely unknown in the prior art (complite brief, pp.16-30)

A further datail employed by Mr. Edicon in connection with his broad invention was the slipping power connections which are referred to only in claims 4 - 7 of the exporation patents. The slipping power connections are intended, as stated in the description of the patents, merely to permit a *reduction in the upsed of the relie* while breaking and crudhing rock and the description of the patents mentions several equivalent devices that may be employed to accomplish this purpose (complish triar, pp.39, 41, 89-91).

The claims li ited by the slipping power connections, namely, only claims 4-7 of the apparatus patent, contain no limitation as to the slowing down of the rolls nor as to the manner in which the rolls shall slow down, and the stated purpose of the description is accomplished whether the rolls, by reason at the slapping power connections or their specified equivalents, slow down together or differently. In either case the slipping power connections or their specified equivalents praist a "roduction in the speed of the relia", which is all that the description requires. Defendants' Pekin and Detroit relia do both. They slow down together and differently.

Moreover, there is nothing whatever in the prior art nor in the specification of eitherpatent limiting the

scepe of the inventions in this respect or furnishing any ground upon which to hold that said claims 4-7 of the apparatus present do not cover Fr. Educate kinetic, independent, massive rolls, with roughoned or irregular surfaces, unless it is shown that they slow down differently as well as together. The sole statement, found only in the description of the method patent, is that the several means specified as equivalents are intended to permit a "reduction in the speed of the rolls". This purpose is accomplished and said claims infringed whether the "reduction in the speed of the rolls" takes place in cuch manner that the rolls slow down together or differently. In either case there is a "reduction in the speed of the rolls".

Since the word "speed" is used in the singular , and the word "rolls"in the plural, the language quoted indicates that the potentice had in mind the case where both rolls were rotating at the same speed, and where that one speed of both rolls was reduced in the brooking and crushing of rock, such reduction in speed being permitted by ony of the equivalent means mentioned. The equivalent means, specified in the patents, for permitting a reduction in the speed of the rolls while breaking and crushing rock, include means which would permit the rolls to slow down together and not differently (complt's brief, pp. 319-320). The capacity of the rolls to slow down differently , as well as together, when provided with slipping power connections located at the roll-pulleys, as in the defendants' Pekin rells, connet be read as a limitation, into claims 4-7 of the apparatus patent, since some of the equivalent means specified permit the rolls to alow down together only.

Whatever may be the <u>capacities</u> of the Edison, kinetic, independent, massive rolls, when provided with the slipping

power connections or equivalents of claims 4-7 of the opparatus patent, it is a proposition that is incontrovertible that it is nowhere stated in either patent that the two rolls at any time in their operation rotate at different speeds . This was pointed out by defendants' counsel upon his crossexpaination of Mr. Bentley who was pointing out the especities of the Edison machines, when provided with slipping power connections located at the rell-pulleys. How can a capacity not mentioned either in the description or claim of a patent. be read into the claim as a limitation? The rule is that the claims of a patent for a mechanical device are not to be limited by the functions or capacities of the device not mentioned therein. A patentee ic entitled to every use to which his device claimed can be put. Her is infringment avoided by impairing the function or capacity of a patented device, or because the patented structure is not utilized to the fullest extent possible (complt's brief, pp.324, 327 and case cited).

In addition to the cacegoited in complainant's brief (pp. 324, 327) reference may be made to Hational Co. v. Interchangeable Co. 106 Fed. 693, 709, C.C.A. In that case Samborn, C. J., pointed out that it is a combination of mechanical elements that may be protected by a patent for a machine; that such a patent secures to the patentoe every use to which the combination of the sachine may be put, both when its functions or capacities are all utilized and when they are not; that an inventor may describe and claim only his machine; and that, having done so, he is entitled to every use to which his device can be applied, whether or not he was aware of all those uses or methods when he secured his patent or menoply. Judge Samborn then held (p. 709), accordingly, that certain claims of a second patent to Han

were void because anticipated by a claim of a prior patent obtained by the same inventor. The only difference between the claims of the two patents was that the claims of the second patent mentioned a cortain resilience which reculted from merely tightening up curtain serows of the claim of the first patent. "The result ie", said Judge Samborn, "that the second claim of the first patent to Mein, Ne, 361, 009, secures to him the exclusive use of the combination there specified, when resilience or camber in the beam is utilized, as well as when it is not."

In <u>Geschen Co. v. Bissell Co.</u>,72 Fed. 67, 74-75, C.C.A., Judge Lurton, held the same, olting <u>Reborts v. Ryer</u>, 91 U.S. 150, wherein it was held that a patent to Lyman was an anticipation of the patent sued on, because, although Lyman co arranged his device as to use only an <u>ascending</u> current of air for refrinerating, upon the ground supposition that the greatest benefit was to be derived therefrom, and the completinant patented had arranged XXXXXXXXXXXX his so as to use a <u>descending</u> current, both inventione edopted substantially the same means for cooling the sir and either machine could use either current or both. The Supreme Court said that an "inventor of a machine is orbited to the benefit of all the uses to which it <u>can be put</u>, no matter whether had conceived the idea of the use or not".

Of course, in the case at bar, the defence of noninfringement is a cham detence. Inasmach as defendants have made exact copies of the Edicen patented machines, their machines must operate precisely as the Edicen machines/of the patents operate and that they do so operate is overwholmingly shown by the evidence (complt's brief, pp.100-160, 88-100; 171-183; 302-333). The preposterous claim that

the use at Pekin of the belt-tightener pulley, copied by defendants from the Edison plant at Sabley, so tightens the belt as to avoid slippage at the rell-pulleys is not enly false, as shown by the évidence (complt's brief, pp.91-99; 100-160), and immaterial, because defendants employ all the equivalents specified in the patents for the alipping power connections (complt's brief, pp. 89-91), but the claim is like the tightening or lessening of the screws to produce or prevent the "resilience" in the brake bean case (106 Fed. 709, cited supre, p. 8). In either once the patented structure is there and infringement exists, whether the functions or capacities of the apparatus are all employed or utilized or not. A scre adjustment of the belt-tightener pulley, would climinate its effect if any (complt's brief; pp. 328,91-95 Complainant cantends) under the well-certical rule

(complt's brief, pp. 169-171), that the claims of his patents should be so construed as to protect his inventions fully, and that in order to prove infringements of claims 4 and 7 of the apparatus patent, he should not be required to show, as he has, at great expense, shown in this suit (complt's brief, pp.68-100 and 100-160), that the defendants! rolls are not only provided with slipping power connections and the equivalents thereof specified in the patents but slow down differently as well as tegether in the breaking and cruehing of rook.

Moreover, it is well settled that if any of the elemente of an invention are now and useful, even though they may not be useful save in combination with other elements of a device, they may be coparately chaimed (National Co. v. American Co., 182 Fed. 626, 639 and casee cited). In other words, a claim is valid though it does not cover all the elemente necessary to the useful operation of a device. For this reason also, the attempt of defendants to read into

each claim of the patents in suit every element and capacity referred to or not referred to in the descriptions or referred to in the testimony, but not mentioned in the claim, is without serrent in the patent law.

In the case at bor, defendants deliberately pirated the substance and details of the Edison inventions and of Mr. Edison's practical embediments thereof at New Village, Sibley and clauwhere. At Pekin they copied the Sibley and New Village rolls, while at Detroit they capied the Edison rolls at Little Falls and elsewhere. The differencegalleged to exist by defendants' counsel, such as the use of on electric meter instead of a steam engine as the source of power, need not be considered. As obean (complt's brief. pp.62-100; 50-52) defendants, at Pekin and Detroit, made Chinese copies of the Edison inventions and mechines and they resorted to descritful and insincere negetiations with Er. Edison in order to inspect the New Village and Sibley plants, examine blue prints thereof and obtain all information down to the minutest actails to the end that they might make their copies exact, as they did (complt's brief, pp. 53-61).

Defendants' Pekin and Detroit rells are not only Chinese copies of the Edison inventions and machines, but they have all the opposities, perform all the functions and operate precisely like the Edison machines of the patents in smit. This is shown averwhelmingly by the evidence (compitingly, pp.100-160; 88-100; 171-183; 302-333). Under any construction of the claims defendants infringe. Their rolle rotate at different rates of speed and slow down differently as well as together, shile breaking and orushing rock. They employ the Edison inventions and machiness to break rock by kinetic energy. Their mechines are the machines of the

patents, possessing all the advantages, functions and capacities thereof and all the mechanical elements thereof, procisely as set forth in Glaims 1, 2, 3, 4 and 7 of the apparatus patent and they employ the method of the claims of the method patent. Their defences are entirely technical and without morth.

They wrge the defence of non-infringement upon the cr ind that they do not capley the friction-clutches, but the friction-clutches are an unimportent detail, mentioned only in claims 5 and 6 of the apparatus patent, for which the description of the patents mentions several equivalents, all of which defendants employ (complt's brief, pp.89-01). The inventions are in no way limited to the friction-clutches (complt's brief, pp.305-306). The fact that the description of the patents sets forth several equivalents for the friction-clutches, which are mentioned acrely as one of several "evident" means specified in the description, for permitting a reduction in the speed of the rolls while breaking and crushing rock, shown in itself, that the inventions are in no may limited to the friction-clutches and that the patentee expressly pointed out that they were not so limited.

The friction-clutches of claims 5 and 6 may be dispensed with and so may the clipping power connections of
claims 4 and 7 and still the broad inventions of claims
1, 2 and 3 of the apparatus patent will be precent and the
method of the method patent will be employed. This appears
sufficiently from the fact that claims 1, 2 and 3 of the apparatus patent make no reference to the friction-clutches not
to the slipping power connections which are in no way occential cither to the courrying cut of Edizon's kinetic method
or to his kinetic apparatus. But the express statement of
the method patent affirms the point. It is said [p.1, lince
50-66 of No. 672,510 that, instead or using the frictionclutches to permit a "reduction in the speed of the rolls",

while breaking and crushing rook,

"it is evident that the same result can be accomplished, Although not so conveniently, by employing my suitable device for disconnecting the rolls from the driving-minff just before the roll stumped upon the rolls and recommending the behavior of the roll of the driving-chaft hamediately after the driving-chaft hamediately after the broken or oven by maintaining the other than the driving-engine of small power and allowing its speed to be reduced with that or the rolls."

The quoted passage necessarily contemplates that the pulleys shall be fast on the rell-shafts, since it specific other means for permitting a "reduction in the speed of the rells" while breaking and cruehing rock. Evidently the rells might, as stated, be disconnected from the driving-shaft just before the rock is dumped upon the rolls " by employing any suitable series", as, for instance, in a supposable case, by the remeval of the driving belt, in which case there sould be no friction-clutches or slipping power connections employed to permit the "reduction in the speed of the rolls" while breaking rock. Again, the friction-clutches execution in the speed of the rolls while breaking rock. Again, the friction-clutches execution in the dispensed with, the pulleys being fast on the roll-shafts, and the reduction in speed permitted, as states,

"evon by maintaining the connection with the driving-engine of small power and allowing its spued to be reduced with that of the rolls (psl, lines 65-66).

Obviously, from the passages quoted, the frictionclutches of claims 5 and 6 and the alipping power connections of claims 4 and 7 may be dispensed with and any suitable device or means may be reserted to in order to permit a "reduction in the speed of the rells" while breaking and cruching rook. In the employment of the kinetic mothed and in the construction of the kinetic apparatus, it is necessary only that the massive rolls deliver their kinetic energy upon the rock. This will cause the rolls to slow down, but the massive in which or the means by which they are

permitted to slow down are immaterial and form no limitstion of the broad inventions as set forth in the claims of the method patent and in claims 1, 2 and 3 of the apparatus patent.

In the commercial embediments of his inventiors Ur. Edison dispensed with the friction-clutches, made the pulleys fast on the roll-shafts and maintained the connection with the driving-engine of small power, allowing its speed to be reduced with that of the rolls. In addition, since the driving boll "operates through elipping friction", as stated in the patents (p.1, line 87), the elipping power connections of claims 4 and 7, such as the slip of the belt on the roll-pulleys and on the line-shaft pulley, have also been retained and employed. Such is the construction of defondants' Pekin and Detroit rolls (complish brief pp.89-01), copied from high Edison mechanics at Sibley, New Village, Little Falls (U.S. Crushed Stone Co.) and claswhere.

The point is that the broad inventions claimed in claims 1, 2 and 3 of the apparatus patent are in no way inited by any means for permitting a reduction in the speed of the rolls while breaking and crucking rock. Their claims specify nene and the scope of the inventions did not require such limitation. Although the kinetic operation results in a reduction in the speed of the rolls while breaking and crucking rock, such reduction in speed may be no-complished in any suitable menner, as stated in the patents, and it is only in claims 4 to 7 of the apparatus patent that Hr. Edison claimed his broak invention in connection with means, such as the slipping power connections of claims 4 and 7, or the friction-clutches of claims 5 and 6, or their equivalents, for accomplishing that result. Such being

the scope of the meritorious inventions of the Edison patents, the Court will, under the settled rule (complite brief, pp. 169-170; 163-170) so construct the claims as to protect the inventions fully. There is nothing in the language of the claims to prevent the Court from so doing. Therefore, the Court will find infringement(complite brief, pp. 169-170; Downgiao Mfg. Co. v. Bronnen & Co., 127 Fed. 143, 180-181, Co.6.A., quoting Cochrane v. Deener, 94 U.S./889) and not permit those defendants to pirate the inventions and escape an injunction and accounting under the decree of this Court

It has been shown that the slip of a belt upon a nulley was not only a slipping power connection, specified in the patents, within the meaning of claims 4 and 7, but also that at the date of the inventions and patents in suit. it was a known means for permitting a reduction in speed of a driven pulley and roll (complt's bricf, p. 127; pp.302-305: D.R. p. 304, x0. 200 and p. 247, Q. 31, showing date of one passage referred to is 1888). It is, therefore, not only a slipping power connection specified in the patents, but also a known equivalent of all the other means specified in the patents for permitting a reduction in the speed of the pulleys and the rolls while breaking and orushing rock (Downgiac Mfg. Co. v. Bronnon & Co., 127 Fed. 142, 150, 151, C.C.A., quoting from the opinion of Mr. Justice Bradley in Cochrane v. Deener, 94 U. S. 789 and of Judge Taft in King Co. v. Hubbard, 97 Fed. 795, 803; Welshach Light Co. v. Sunlight Co., 87 Fed. 221, 225; cases cited, complt's brief. pp.166-170).

II. The attempt to induce the Court to believe that defendants did not follow, but proceeded, Mr. Edison in making the pulleys feet on the rell chafts is proposterous. The attempt characterizes the defence.

These defendants, under pretence of negotiating with Mr. Edison for a license to use his inventions under payment of royalty, visited, through their representatives, the Edison plants at New Village and Sibley. As shown in complainant's brief (pp. 53-61), they inspected the Edison machines of thepatents in suit with the utmost care.

At New Village they examined plans and drawings of the Edison rolls in the office of Mr. Edison's campany (C.R., p. 206, Q. 20). At Sibley they obtained measurements when they first inspected the plant, and the Allis-Chalmers representatives returned for further measurements (C.R., p. 210, Q. 31). At both places they obtained from Mr. Edison's representatives and licensees complete information as to the principles and details of the Edison mechines and inventions (brisf, pp. 53-61). They then made at Pekin a Chinese copy of the Edison machines. From Pekin they wrote, on Yay 6, 1908, to New Village for blue prints (C.R., p. 703; brief, p. 57).

They visited the New Village plant on April 18, 1908 (C.R., p. 202, Q. 6). At that time the pulleys were fact on the roll-shafts, and had been for a long time. On November 19, 1909 Mr. Mason testified as follows (C.R., p. 150, Qs. 55-57):-

10. 55. It is in widence that originally the pulleys of the New Yilliage plant were loses upon the roll-chafts and that subsequently the pulleys were made fast upon the roll chafts. Will you kindly exhain the change made in this respect and state when the change made in this respect and state when the change was made more than two states of the change of the change of the pulley was that we found that by setting up the friction band so tight that the best elipping on the chaft that we could operate as successfully and easier that could operate as successfully and easier that could operate as successfully and easier that of the charge of t

Q. 56. "Kindly state in what manner the pulleys were first made fast on the roll shofts and

whether any change was afterwards made in the manner of making the pulleys feet on the roll-chafte? A. We first made the pulleys fast the roll-shartes energy by tightening up the friction band to such an extent that the pulley result revolved the pulley shart the roll-shart and the pulley and bered the bushing which is in the pulley and bered the out so that it would be a little smaller than the diameter of the chaft on which it fitted. This eventually worked loose. We then put in a cont-iron bushing bored slightly smaller than the diameter of the chaft on which the third of the chaft of the chaf

Q.57. The result of making the pulleys fast on the roll others, that is, ee that the pulleys revolve with the roll shafts, is shat with respect to the belt passing about the pulleys when the rolls are engaged in breaking and cruebing rocked. It is the pulley and the chaff is now changed to the pulley and the belt.

Hence the pulleys had been made fast on the rell-sharts at New Villags prior to Newember 19, 1907 and probably as early as November 19, 1906.

When they were at New Village, defendants inepected

"the pulleys on the roll-shafts and the faller pulley and
the belt passing around said pulleys", and these things were
explained to them "while the plant was that down for their
benefit" (C.R., p. 207, Q. 23). Therefore, when defendants
made the pulleys fast on the roll-chafts at Pekin, they
copied Nr. Edison in this particular as in all other perticulars and the attempt to deny it is unscrupulous.

There is nothing to show that, when the contract between the Allis-Chalmers Company and The Casparie Stone Company for the construction of the Pekin rolls was finally approved in July, 1908 (C.R., p. 195), the plans according to which the Pekin rolls were to be manufactured provided how the pulleys were to be connected with the roll-chafts. When defendants councel introduced in evidence (D.R., p. 368) one of the blue prints of the Pekin rolls,

he witheld all the blue prints of the Pekin rells except the one which shows the construction of the clugger rell, but not its pulley, and the date of that drawing is May 19, 1908. The earliest date, therefore, to which defendants can refer as a time when the pulleys were made fast on the rell-charts of the Pekin plant is June, 1909, when they were inspected by Messrs. Williams and Hartigen (C.R., p. 66, Q. 47; p. 84, Qs. 153-156), just prior to the commencement of this suit.

In October, 1908, Mr. Knowlton made the pulleys fast on the roll-shafts of the Edison relie at Sibley (c.R., p. 611, Q. 16). This change was made by Mr. Knowlton himself because it introduced no change whatever in the more of operation of the rolls, being an obvious equivalent which any exilled mechanic would make if he so desired, as shown by this instance, and the change was "emphatically not" suggested to him by the Allis-Chalmers Company, but resulted solely from his own use of the Edison rolls (c.R., p. 611, Qs. 17-19; p. 617, XQs. 37-43). Those patters are considered in complainant's brief (pp. 46-49; p. 304; p. 554, etc.).

Because Mr. Williams, a <u>saledman</u> employed by Mr. Edison (c.R., p. 13, Q.1), <u>sould not describe</u> the manner in which the pulleys were commented to the roll-shafts at Now Village, defendants' counsel have seized upon this circumstance to urge their false assortion that in November, 1909, the pulleys were connected with the New Village roll-shafts by slipping connections.

On November 1, 1909, Mr. Williams was present at the first series of tests, made by Mr. Vacon and Mr. Opdyke, of the New Village rolls (c.R., p. 697). Referring to these tests defendants' counsel cross-examined Mr. Williams

as follows (C.R., p. 53, xQ 249):

x0.209. You do not personally know, do you, whether in making the tests at New Village to determine shether the belt would slip around the drive pulleys were nibridy secured to the shafts instead of being yieldingly connected to the shafts? A. I do not "

Mr. Williams also testified that at New Village there was affrictional connection between the pullays and the rell-shafts, but said that he <u>could not describe</u> the frictional connection so that it would be understread (G.R., p. 35, Qr. 124-125; ... 36, Q.133)

Mr. Hartigen explained the matter, stating in November, 1909, that the pulleys had been made fast on the rell-shafts at New Village by being pressed on the shafts and that at one time after about a year's operation, one of the nulleys worked lose, but this had been remedied (C.R.p. 79, Qc. 112-122).

Mr. Mason, who made the pulleys fast on the rollchafts at New Village in November of 1908 or 1907, explained the matter fully in the passages above quoted from his testmony (C.R., p. 150, Qc., 55-57).

What Mr. Williams, who did not understand the matter and said so, had in mind, probably, was the fact that the roll-pullaye had been pressed, under high pressure, on the roll-shefts at New Village and that this constituted a "frictional connection".

Eliminating the testimony of Mr. Williams, who stated that he had no personal knowledge or understanding of the subject, it appears:-

(a) That Mr. Masen testified (C.R.,p. 150, Qs.55-57) that in November of 1906 or 1907, he personally made the pulleys fast on the rell-shafts at New Village.

(b) That Mr. Hartigan testified (C.R., p. 77, Qs.112-122), that in Nevember, 1909, the pulleys had been fast on

the rell-shafts at New Villege for a long period of time, since, he said, after about a year's operation, one of the pulleys had, at one time, worked loose and been made fast sandan.

- (c) That Mr. Herter testified (C.R., p. 126, XQs. 182, 157, 168), in November, 1800, that the friction-clutches had been eliminated and the pulleys fixed upon the rollshafts, being pressed on by about 100 tens pressure, and that the change had been made by the Superintendent, Mr. Mason.
- (d) That Mr. Bentley testified (C.R., p. 176), in December, 1909, as follows:-

"In the Zdioon patents the pulleys have a Trietion-clutch connection with the reliability, whereas in the defendants' case the pulleys are fast on the shirts. This difference merely concerns the leading that in the Eddion plant at New Village, 3. The found the pulleys fast on the respectation of the pulleys fast on the respectation of the pulley fast of the pulleys fast of the pulleys in the pulleys in the pulleys intend of at the friction-clutches.

There is not a word of evidence in the record to support the false assertion of defendants (counsel that defendants did not copy Br. Edison in making the pulleys fast on the roll-chafts. The Casparic Stene Company had charge of building the Pekin Plant (D.R., P. 355, xq 40), though assisted by the other defendants (comple's brief, pp. 353-343). When Mr. Casparis and his son visited the New Village plant on April 16, 1908, they saw the pulleys fast on the rell-chafts and that arrangement defendants copied in the Pekin and Detroit rolls. Moreover, as shown above, the Edison patents in suit attack that the friction-clutches could be climinated and various other means omployed for permitting a "reduction in the speed of the rells."

while breaking and crushing rock. The climination of the friction-clutches, necessarily involved making the pulleys fast on the roll-shafts, within the contemplation and meaning of the statements of the patents?

Therefore, the annotations by defendants' counsel pasted on pages 48, 304 and 354 of complainant's brief, in an effort to induce the Court to believe that defendants did not follow Mr. Edison, but preceded him, in making the pulleys fast on the roll-shefts, disclose the shom character of the defenss. Defendants have not only pirated the inventions, but now falsely pretend, when brought into court, to have originated details which they copied from Mr. Edison together with the principles of his inventions and all other dotails.

Dated, March 2nd, 1911.

Respectfully submitted,

Laria Hicks counsel for Complainant.

March 2nd, 1911.

Hon. John R. Hazel, U. S. Judge, P. O. Building, Buffalc, N. Y.

Dear Sir:

Edison -v- Allis-Chalmers et al.

In submitting in behalf of complainant the contend reply to the amnotations of complainant is brief by defondants' counsel, I desire to call the attention of the court particularly to the fact that, although the vidence and the woll-known truth of the fact that, although the vidence and the woll-known truth of the call that the court of the

There is then no tangible difference between defendants' infringing Pokin and Detroit rolls and the Bidson machines of the patents in suit. The construction and mode of operation are the same. The ordence proves that defendants deliberately planned to make exact copies of the Edison mechanes of the patents in suit and that they encoused in me deling.

A copy of this letter and of the enclosed roply is sent by same mail to defendants' counsel.

Rospectfully submitted,

Laux CCAR

Counsel for Complainant.

My Copress

March 6, 1911.

Er. Louis Hioks, C. 71 Hassau Street.

71 Hassau Street,

MAP 7- 191

My dear Mr. Hicks:

On my return I find yours 2nd, enclosing copy of a letter to Judge Hozel, which I have very carefully noted, and it does not seen to me that the Allis-Chalmers people will very wery much pleasure out of your reply, as you have very thoroughly met their objections, and to my mind put them in a position of apparently having tried to deceive the Judge.

At New Village, the pulleys were made fast to the shafts on August lat, 1907. I am able to identify this date by a memorandum which I made on one of our books at that time, so that I could watch the effect on the lates of making the pulleys tight and if it was necessary I could testify to this fact.

Inamuch as the Allis-Chalmers people did not visit the New Village plant until April, 1908, it shows that we could not have copied the change from

/

them.

As I wrote you before, our side of the case seems to be so strong that on the face of it there seems every reason to believe that we will win. The only trouble with this is our experience in the nest on cases which seemed we should win without any question, but which have gone against us, so that while I have very strong hopes that we will win, I am not counting on it as a certainty by any means.

With my very kindest regards, I am, Yours very truly,.

WERT-RES

TAE- US - all's chalinum

71 NASSAU STREET, CORNER JOHN STREET.

PERSONE NO. SELL CONTLANDS.

Edison, Req., Edison, N.J. year for howard 1000 [Market pleasure in end-

Thomas A. Edison, Esq.,

My dear Mr. Edison:-

Hazel's opinion in the above-entitled suit ween sustaining your two, basic patents covering the giant rolls as patents for inventions of the highest merit, finding that defendants have infringed the patents and ordering an injunction and an accounting. Of course, with this decision as a basis, a preliminary injunction can be secured against the infringing rolls of the punbar gtone Company near petroit, Mich. Please accept my congratulations upon the outcome of the suit, which, in view of the opinion and decision of the court, is all that could be desired.

With my best remards, I am,

Yours very truly.

Louis Oliche

CIRCUIT COURT OF THE UNITED STATES,
WESTERN DISTRICT OF NEW YORK.
IN EQUITY.

THOMAS A. EDISON.

Complainant,

-against-

ALLIS-CHALMERS COMPANY, EMPIRE LIMESTONE COMPANY and THE CASPARIS STONE COMPANY,

Defendants.

ON FINAL MEARING.

LOUIS HICKS, for complainant.

EDWARDS, SAGER & WOOSTER, (THOMAS F. SHERIDAN,
GEORGE L. WILKINSON,) for defendants.

HAZEL, J.

This is a bill in equity based on two letters granted on April 23, 1901, to themas A. Eddson, for method of broaking rock and for apparatus for breaking rock, numbered respectively, 672,616 and 672,617, the method patent was issued on application dated July 6, 1897, and the apparatus patent on divisional application dated August 9, 1900. The defondants are charged in the bill with joint infringement of the patents in this district, The answers allogs invalidity of the patents because of prior public use and sale mer than two years before they were granted and want of nevelty and non-infringement. At the hearing the jurisdiction of the court was challenged on the ground that a completed act of infringement prior to the commencement of the action was not proven. This objection will now be considered.

The Empire Limestone Company is an inhabitant of the Western District of New York, and the Allis-chalmers Company

and the Casparis stone Company inhabitants of the states of New Jersey and Ohio, respectively. It is claimed that the Allis-chalmers Company and The Casparis stone company have not committed any act of infringement here. Pursuant to the act of March 3, 1897, a defendent, not an inhabitant of the district where a suit is instituted, must affirantively be shown to have committed an act of infringement and have a regularly established mans of business therein. That the Allis-chalmers dompany and the dasparis stone Company each has an astablished place of business in this juriediction is admitted, and the question submitted for decision on this phase is whether they have manufactured, used or sold the intringing machine within this district or entered into contracts for such use, manufacture or sale. The stipulations of record relating to this subject fairly show that the infringing apparatus was completed and installed within this district prior to June 18, 1909, and before this action was commonoed, and that the Allis-chalmers Company contracted! to sell and deliver such machine to The casparis Stone Company within said district, which company had agreed to erect such machinery for the Empire Limestone Company at Pokin, New York. It is proven that the Allis-chalmers Company in the latter part of the year 1908, assisted in the creetien of the rollers by inspecting and approving the work of installation by The casparic Stone Company. Accordingly it is fairly shown that there was something more than the more manufacture of the apparatus by the Allis-chalmers company within this district; there was a delivery and acceptance and approval of the work of installation and sale within the jurisdiction of this court. (National mash Register Co. v. American cash Register co., 178 mod. Rep. 79-83.) It is ol simed as to the gapire Limestone company that the plant was not in actual operation at the time the bill was filed, but this, assuming it to be true, is immaterial in view of the

fact that prior thereto said company threatened to infringe the patents in suit. (Chester worging & R. Co. v. Tindel-Morris co., 165 wed. Rep. 899.)

Another question may here be decided before passing to the merits. The complainant gave testimenty in robuttal tending to establish that the allis-phalmers company had installed an alleged infringing apparatus at petroit, Michigan, subsequent to the commencement of this action and complainant claims to have the right to recover herein for such infringement. This claim is thought untenable. How a separate and wholly independent infringement in another district by one of the three defendants who are jointly charged with infringement has any relevancy in this action is difficult to understand, and such testimony in the absence of controlling authority requiring its consideration will be disregarded.

Proceeding to a description of the patents and claims in suit, both of which are so closely allied that a consideration of one necessarily includes the other: As indicated by their littles both patents relate to crushing or breaking rock and ore and in its accomplishment two massive revolving rolls, weighing 167,000 pounds, six feet in diameter and five fact long and secured to a shaft, are used. The mandrels are provided with extraordinarily heavy plates which have on their outer surfaces large projections or chedging knobs. The rolls are mounted side by side on a frame having a gap between them. The frame has pulleys attached, around which runs a driving belt, so arranged as to cause the rolls to revolve toward each other and downward through the gap or space between them. The pullcys are yieldingly connected to the shaft by means of slipping friction clutches so that when the rolls revolve the friction clutches yield or slip without greatly lessening their speed. The rolls are separately and independently driven, the friction clutches being separate

and disconnected to permit the rolle to diminish or accelerate their speed independently of one another.)Mr. Edison's object was to devise a method by which massive rock or boulder when taken from its bed could be instantaneously crushed or broken to pieces at the least possible expense by the blows of large projections on the rollers and thus to eliminate the hand sledging or blasting of the prior art. To accomplish his object it was necessary that the reliers correspend in weight and strength to the size of the material to be broken up. He believed it possible to use the energy and force generated by the incrtia of revolving objects. The problem was how to apply such energy to assist in the crushing operation. Kinetic energy is the term by which such force and power is technically known. The skilled engineer knew that a heavy rotating object contained stored power and energy component with it, and in the adaptation of such force and power for breaking and crushing large rock, it will be comprehended that if such energy could be practically used an achievement of great economic value and benefit in this art would result. It was necessary to design and construct machinery and rellers of a peculiar kind together with facilities for placing and using them in accordance with the modus operandi specified in the patent in suit. The patentee surmounted all obstacles and the record shows there were many. He was the first to evolve a crusher by which kinetic energy became a potential factor in the method of crushing and breaking rock by blows from the knobs on the rellers. It scarcely can be doubted that his inventions are meritorious and involve in their origination and perfection patentable skill of a high order.

The claims of the method patent read as follows:

^{1.} The method of breaking rock consisting in causing two independently-driven and disconnected measure be badded to truvel toward each other at a high speed, partially arresting the metion of such bodies by successively and periodically introducing charges of rock between them, there by breaking the rock by kinetic energy, and restoring the

speed of such bodies during the intervals, substantially ac set forth.

2. We nothed of breaking rook consisting in driving a pair of independently-driven and disconnected master orbits at a high speed by means of a small power capable of running the rolls up to speed then no work is being done, partially arresting the motion of the rolls by successively and periodically delivering charges of rook to those, thereby breaking the rook by kinetic energy, and restoring the speed of the rolls dwing the intervals, cubestantlally as set forths."

The claims of the apparatus patent which are involved, except the fifth and sixth, read:

1. In apparatus for breaking rock by kinetic energy the cachination of a pair of independently-driven and discommended and the commender of the comment of the commender of the commender of the commender of the poor, and means a third commender of the poor, and means article only in direct medical commender of the poor, and means article only infrequent intervals to commit the rolls to recover surficient spend to effect the successively breaking operations, unbatantially as set forth.

2. In appearance for breaking rock by kinetic energy, the combination of a pair of independently-driven and disconnected massive rolls having roughened or irregular surfaces, a power connection delivering power to both the rolls intake fitted to start the rolls from a starc the limits of provided pair and the rolls of the rolls in the property of the rolls of the rol

profession

5. In apparatus for breaking rock by kinetic energy, the combination of a pair of independently-driven and disconnected amentive rells, knobe of substantially uniform height on the rells for ontching the rock and subjecting it to a rolling aution, larger and higher knobe disposed in large and all row on one of the rolling action, a power commoction deliver me power to the relling action, a power commoction deliver me power to both the rell insufficient to break the rock by the direct application of the power, and means for periodically with direct application of the power, and means for periodically means in charges of rock to such rolls one was efficient speed in the relation of the power and the periodical to permit the such rolls over mentical to permit a such rolls.

4. In apperatus for breaking rock by kinctic energy, the combination of the two independent massive rolls having roughened or irregular surfaces, and the slipping power connections for both rolls, substantially as set forth.

7. In apparatus for breaking rock by kinetic energy, the combination with independent massive rolls having roughond or irregular surfaces, of clipping power connections, and means for periodically delivering rock to the rolls, substantially as set forth."

Claim 1 of the method patent is for a combination and desoribes the operation. Claim 2 is not substantially different but has included the feature of periodical delivery of

rock to the rells. claim 2 of the apparatus patent is similar to claim 1, except that in its combination of elements is included "a power commection delivering power to both the rells insufficient to start the rells from a state of rest", while in claim 1 "the power commection delivering power to the rells is insufficient to break the rock by the direct application of the power"; claim 3 includes the higher knobs to break the rock to be subjected to the relling action claims 4 and 7 are broadly for the combination of two independent massive rells with irregular surfaces, and the slipping power connections for both rells; claims 5 and 6 include the claemat of friction clutches.

A number of patents for crushers having rellers are claimed by defendants to anticipate and limit the claims in centroversy but such patents are inapplicable. To bring together and adapt in dimensions, iron rellers of such large propertions enclosed in a frame and providing means for periodically storing kinetic energy and periodically expending it as described in the specifications, was invention of the highest merit. It was not a question simply of changing the proportion, size or shape of the rolls. New and novel additions in crushing apparatus were made. The prior crushing or pressing rolls contained no helpful suggestions to the patentse as to the manner of using kinetic energy to instantaneously fracture heavy rock. Although the prior art shows cruehing rolls with irregular surfaces as evidenced by the patents to Umholtz, No. 48,224 and 27,581, for coal breaker, yst such rolls are geared together and were not driven by a belt in opposite directions. They were incapable of delivering blows to powerful rock masses. Indeed there is a total absence in the prior art of the use of kinetic energy to secure the hammering action necessary to break such heavy material as contemplated by Edison's inventions. A few/more pertinent of the prior structures are here special-

ized. In the adams patent No. 24,783, for breaking stone. the rolls, which are provided with teeth, were go and togethor and there is no suggestion in the patent that kinetic energy was any factor in breaking the material. The British patent to stowe, No. 9,148, discloses a crusting machine with projections on the rellers and it has a fly wheel which defendants claim was a recognition of the desirability of crushing the material by kinetic energy, but I think that such energy was simply used to scoure an even moment of the rolls. Moreover Edison's feature of driving the rolls by belting is lacking, and the cortitude that it was incapable of fracturing heavy rock is clearly apparent. In the cornish rolls, which have irregular surfaces, the rolls were geared together and were not independently driven and disconnected. To this class of crushers belong the patents to Babbitt. Stutz and culver .- patents in which the rolls were not designed to operate on the mass at intervals and those having projections or teeth on the rolls pressed or ground the msterial instead of broaking it by harmoring; nor was the speed of any such rolls accolorated by kinetic energy. In rolls of the size and weight of complainants it was essential that they be driven independently by belting so as to secure both co-operative and varying movements. Indeed the essence of the invention resided in such changes over the prior art. For, as indicated by the evidence, to have geared thereils would, because of the great weight and strain, have broken the gear teeth. In the wall rolls, upon which the defendant lay emphasis, the rolls, it is true, were large but they were formed to operate as spiral gears, and were driven by gears, the method of crushing being in the nature of direct application of the power with the result that only small rock or stone could be crushed or pulverized. Such rolls did not oporate by kinetic energy; they were absolutely unable to orush large rook or boulder and after repeated trials were abandoned. In the prior art there is not disclosed any

method or apparatus for breaking rock by the medium of crushing rolls which are provided with knobs or prejections and are driven by belting. They were provided in most instances, with teeth or projections on the rolls which were geared together and their function was to compress, pinch or pick the material to separate the particles. The driving agent, app wently, performed the work of crushing the material while in the patents under consideration there is a distinct departure, the material being wholly crushed or broken by the energy of the knobs on the rells. /lthough some of the constrate claments of the claims in controversy were old and are found in the prior apparatuses, yet such old clements had never before been assembled or combined to use power stored in the rolls to break or crush rock nor prior to the inventions in suit had such rock been broken or crushed by harmer blows from projections on the rolls driven by bolt and rotating in opposite directions. Horeover the patentee was the first to use a small driving power to both rolls for the purpose of storting the rolls in their revelutions from a state of rest. It is not enough to select separate elements from different devices and then without making any patentable change or improvement insist, as do the defendants, that the patented structure might have been similarly constructed (Diamond Match co. v. Schonok, 71 red. Rep. 521; affd. 77 wed. Rep. 208; general pleetric go. v. Wise, 119 yed. Rep., 922). The claims are entitled to such a fair construction as will preserve to the inventor the fruits of his discovery.

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> There was much testimony pro and con in relation to the defense of prior public use and cale more than two years before July 16, 1897, the date of the original application. The defendants contend, first, that the method patent wason sale and in public use within the two year period; second, that the apparatus patent was on sale and in public use more

than two years before the filing of said original application and, third, that the apparatus patent was in successful operation in the year 1897. In view of the action of the patent office requiring a division of the original application for patent which included claims for process and structure, the filing date of the apparatus patent must be antedated as of July 16, 1897, the date of the original application. By the file-wrapper and contents it appears that on May 3, 1900, a division was required subsequently on August 1, 1900, the inventor in obedience to such requirement filed a divisional application for the apparatus patent. perendent contends that the divisional application for the companion and the content of the contains subject matter not disclosed in the original application and therefore the former cannot be antidated. The descriptive matter, however, in the application upon which the patent was granted is substantially the same as that contained in the earlier. True a change was made in the deseription but such change in my opinion is not of material importance. We may, therefore, briefly examine the cylichoce regarding prior use and sale within two years before the original application was filed.

The construction of the crushing plant at Edison, New Jorsey, was begin in the year 1883, experimental rolls were constructed. There were many difficulties to evercome, vis: The rolls in operation reduced their speed so much that they become stalled and the bolt stretched or slipped making it impossible to crush the rock; the rolls also failed to store the required kinetic energy to break the material and failed to contains the rotation. After frequent experimental tosts in 1898, which were without the desired success the plant closed, several periodicals or magazines have been introduced in evidence to corroborate the claim of the defendants that the rollers were successfully operated in 1894 and 1895, but such publications have not convinced me

that at this time the patents were completed or beyond the experimental mage. The werk at the plant was remund and experimenting, constructing and making imprevements on the relis continued until early in 1897, when the patentee's conceptions were completed. The defendants assert that not only were the giant crushers practicable before July, 1895, but non-employes were permitted to witness the crushing operation. The permission given by Hr. Edicon, however, to varieus persons to inspect or examine the machine if it was not then completed, will not establish a public use of the invention (<u>Worekmeister</u> v. American oc., 134 wed. Rep., 321.).

The defendants further claim that a commercial machine such as the specifications describe was sold prior to 1895, to the New Jersey Zine Gempany. The record shows that Mr. Edison had given a license to such company to use a erusher, -- net the sempleted invention in suit, and any patentable improvements that might subsequently be made. Indeed, it is satisfactorally shown that the giant rolls embodying the inventions in suit were not used commercially until after the original application for patent was filed and that prior thereto the inventions were under the exclusive control of Mr. Edison. My conclusion on this phase of the controversy is that the defendants have not proven use or sale within the statutory poriod beyond reasonable doubt. In its most favorable aspect the testimony merely shows an experimental use of an incompleted machine and such use it has been frequently held, is not a public use (Elizabeth w. Pavement co., 97 U. S. 126; American & English Ency. of Law, 2d Ed. Vol. 22, p. 338).

Coming now to the important quoetion of infringement:
The defendants to differentiate its rollers and method of
operation from complainants, contend that the rolls installed
at Pekin, New York, are rotated by a common driving bolt

which engages the pulleys which are fixed rigidly by the roll shafts; that no friction clutches are interposed between the pulleys and the roll shafts as in complainant's structure; that the power is directly applied to the rolls from the driving belt and the rolls are not driven independently nor are they disconnected but on the contrary they are dependent and connected upon and to a bolt which engages the shaft. The expert witnesses are not in accord on various propositions relating to the similarity of the defendant's crusher to that of the complainant or the means adapted by the defendants to perform their work. By the testimony of complainant's witnesses Newhouss and Van Zandt, who inspected defendants' rolls, it appears that they are approximately the same weight and size as those of complainant. They are similarily mounted in a frame and the two pulleys which are positioned side by sids drive the belts by means of a driving belt which runs from a pulley upon a countershaft over a belt tightening pulley and the roll pulley and to quote from the testimony:

"furtherest away from the line shaft, coming in ormate the with this pulley on the lower slide passing partly around this pulley, then partly around the pulley, then partly around the bulley, then camtrodart (t) in such a way that the same belt drives both rolls in the proper direction, that is, toward each other from the top; such pulley is rigidly keyed to its roll shaft."

Such method of using the driving belt to rotate the rolls is practically the same as that of semplathent. In place of the friction clutch between the pulleys and the roll shafts specified in claims 5 and 6 of the apparatus patent, the defendants seem to rely work on the oustomary creoping of the belt to slightly reduce the speed of the rells and not by any slipping connection or clutch arran-memor. The evidence, however, is open to the inference that the driving belt naturally slips upon the roll surfaces as the rolls reduce their opeced. I am not unmindful of the testimony of the defendants' superintendant, Peterson, who positively

testified that at no time had he observed any tendency of the bolt to slip on the roll pulleys, but, nevertheless. I am satisfied that there was a slipping as distinguished from what is technically known as oreoping and, morcover, that such slipping was induced by the manner in which the rolls were operated. The specification of the method patent substantially states that after the rolls acquire their full speed the rock is periodically dumped on the rells and the consequent effect thereof is to partially arrest the metion of the rolls, etc. In the defendent's method the material is likewise periodically dumped on the rolls with the result that their speed is reduced and the driving belts are caused to slip at some point on the shaft. claims 4 and 7 are not limited to the friction elutehes (complainant's preferred method of reducing the speed) as the means by which the speed of the rolls is controlled or reduced.

I am also of the opinion that the defendants' rolls are windependently-driven and disconnected, and, therefore, infringe the method patent and the broad claims 1, 2 and 3, of the apparatus patent. The phrase "independently-driven and discommented" relates to the construction and method of driving the rolls and was obviously used in the patent office to differentiate rells driven by belting and such as are geared together. In providing a drive by bolting the patentoe secured a disconnection of the rolls and independent rotation which were essential features of his patents and by which the kinetic energy was rendered capable of boing used. Giving said claims such a construction without limiting them to a friction clutch connection, the defendants' rolls must be doemed to operate within their scope. as each is driven by its own pullcy which boars independently of the other on the driving belt, thus receiving its momentum directly from its pulley. The patentee has the undoubted right to every use to which his origination can be

applied and to every way in which it can be used to carry out its function, and having correctly described his invention, it makes no difference that he did not claim such uses. (National cc. v. Interchangeable Co. 106 pcd. nop. 693-709).

To summarize, the defendants' relie in operation are substantially the same as those of complainant, having a like capacity for crushing rock; they use the kinetic energy to break the material periodically dusped upon the rolle and in their operation perform the functions of the patents in suit am achieve the same result. The method patent describes the mode of treatment of the rock by which it may be shattered and the series of steps to be taken in the transforming process.

The combination of elements by which the splendid results of breaking rock by blows due to the use of kinetic energy were attained undoubtedly involves the exercise of invention as distinguished from mechanical skill. The prior art notiter suggested the patentee's method nor the apparatus by which the work could be done. A fair prependerance of the evidence shows that the adendants have appropriated the inventions and infringed the claims of the method patent, and claims 1, 2, 3, 4 and 7 of the apparatus patent; claims 5 and 6 of the latter are not infringed.

Affordingly the complainant may have a decree for injunction and accounting with costs.

J. R. H.

U. S. J.

Dated, June 6th, 1911.

Endorsed: Circuit Court of the United States, western pietriot of New York, In Equity. Thomas A. Edison, Complainant, vs. Allis-Chalmers Co. et al, pefendants. Opinion- Hasel, J. U. S. Circuit Court, western piet. of N. Y. Filed June 6, 1911. Harris S. Williams, Clork.

Prime TAR-UR letter checkners July 11-11.
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ma maccony promed that the
Allis Chalmers per ple accepted our
proposition without any modification
whatever. Their carryer leaves
to night for milwanker where he
will have contract made out - a
copy of which you will receive
muceony wee be on the job at the
Works to maprow marring.
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THE WESTERN UNION TELEGRAPH COMPANY

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Seventh district circuit court of Appeals hand affirm Judy Danborna opinion halding harrant true Chain fialest basic Shreet Affice of Appeals has a complete the court of Appeals hands down decision reversing itself and affirms Judy Danborna opinion halding harrants true Chain fialest basic Shreet Appeals True Grift.

COUNSELLOR AT LAW AND PROCTOR OF ADMIRALTY. CORPORATION, PATENT AND GENERAL LAW, 71 NARRAU STREET, CORNER JOHN STREET.

TELEPHONE NO. SEU CONTLANOT.

NEW YORK, N. Y., Dec. 11, 1911.

Harry F. Miller, Esq., Prison Laboratory, West Orange, ".".

Dear Mr. Miller:-

I beg to acknowledge receipt of your favor of recember 8 oneloring contract between Edison and the Hell w Inland Line & Transport Company, signed by Mr. Mison. I have forwarded the contract to the Kelley Island Company.

With regard to your request for a copy of the agreement for Mr. Edison's files, I ber to cay that as soon as I have closed the sottlement by issmine the injunction under the final decree entered by consent on the discissal of the appeal, I will send to Fr. Tdicon or to Mr. Mallory for Mr. Pdison, a complete set of all the papers in the matter, including, of course, the original contracts signed by the Allis-Chalmers Company, the Tumber Stone Company, Empire Limestone Company, Kelley Island Company and Church Quarry Company, torether with comiss of the court papers.

Mory truly yours, Louis Olika

acho Chalmers

Louis Hicks. COUNDELLOR AT LAW AND PROCTOR OF ADMIRALTY. CORPORATION, PATENT AND GENERAL LAW, 71 NABSAU STREET, CORNER JOHN STREET,

NEW YORK, N. Y ... DBC . 21, 1911.

nu 09 all

Thomas A. Edison, wsq., Edison Laboratory, Orange, N.J.

My dear Mr. Edison:-

Edison vs. Allis-Chalmers Co., st al.

I am sending by express to-day to Mr. Harry F. Miller, to be delivered to you, the original contracts made upon the termination of the above suit, together with copies of the court papers. I have annexed a summary statement of all the papers referred to.

The settlement was put through on Nov. 29, 1911, by delivering to Max W. Babb, Esq., of counsel for the Allis-Chalmers Company, Dunbar Stone Company and Empire Limestone Company, all the contracts made between you and those companies, all of which were signed by you, and by his delivery to me, as your counsel, of the contracts signed by said companies and sent to-day by express to Mr. Miller. At the same time, the stipulations were made between me and the solicitors for the defendants in the suit upon which the decrees of the courts were entered.

Inaumuch as the contracts which I received for you have not yet been signed by you. it seems to me that you should sign these contracts now, since the copies which I delivered were signed by you. I think that this should be done because if you should have need to use the contracts, your signaturs would appear thereon.

I am sending a set of the papers to the Legal papartment and another set to Mr. Mallory by express to-day in order that they may have copies to refer to, should occasion require, without the necessity of using the original contracts, which I send to you.

Wishing you a Marry Christmas and Happy New Year, I am,

Yours very truly, Louis Hicks

ain Change

LOUIS HICKS.

COUNSELLOR AT LAW AND PROCTOR OF ADMIRALTY,
CORPORATION, PATENT AND GENERAL LAW.
71 NASSAU STREET, CONNER JOHN STREET,

TELEFRANE NO. SEII CONTLANOT

NEW YORK, N. Y Dec ... 21, 1911.

Harry F. Miller, Esq., Edison Laboratory, Orange, N.J. mal 3/20

Dear Mr. Willer:-

Edison v. Allis-chalmers Co. et al.

I am sending to you by express to-day for Mr. pdison a complete set of the contracts and papers made and executed upon the termination of the above suit. The contracts are the original contracts and
should, therefore, be preserved with care. By same mail I have written
to Mr. pdison requesting him to sign his name to each of the original
contracts and I repeat the request to you. He should sign his name
above "party of the first part" in each case. Will you kindly present
the contracts to him for signature before they are filed? The reason
for this request is that the copies of the contracts which I delivered
as counsel for Mr. pdison were all signed by him, but those which I
received for him have not yet been signed by him, and sometime we may
need to produce the contracts, and it will be better if his signature
appears on each.

On Nov. 29, 1911, I sent to Mr. pdison a check of the Allis-Chalmers Company for \$1,959.15, being the amount of the taxable costs paid by the Allis-chalmers company upon the termination of the suit. Although I have no doubt that Mr. pdison received the check, still I have no acknowledgment of its receipt and would, therefore, ask that you be kind enough to inform me in regard thereto.

very truly yours,

Louis Helen

the Miny star Bliven

GENERAL OFFICES: WEST ALLIS WORKS MILWAUKEE, WIS

ALLIS-CHALMERS COMPANY NEW YORK N.Y.

CARLE ADDRESS "FOUNDERS"

New York, December 30th, 1911.

M 3- 12

Mr. Thomas A. Edison,

Orange, New Jersey.

Dear Sir :

We wish to acknowledge receipt of your letter of the 20th, regarding air compressor, and to advise you that the writer will call at your laboratory to see you on January 2d, if this will be convenient to you. If not, kindly advise us.

Thanking you for your inquiry, we are,
Very truly yours,

ALLIS-CHALMERS COMPANY,

By a. n. xibby

ANL--AGS.

Die milling (4/33/01)

EDISON GIANT ROLL PATENTS SUSTAINED.

March in the U. S. Circuit Court of the Western District of Hew York in a suit against the Allis-Chalmers Company and two of its customers, the Empire Limestone Company and the Casparis Company, on Edison Patents Nos. 672,616 and 672,617, grunted April 25, 1861, on the so-called Ciant Rolls. These rolls are referred to in the recent book "Edison: His Life and Inventions, by Frank L. Dyer and T. Commorford Martin":

"No such departure was as radical as that of the method of crushing the are. Existing machinery for this purpose had been designed on the basis of mining methods then in Vogue, by which the took was thoroughly shattered by means of high explosives and rerock was thoroughly shattered by means of high explosives and re-duced to pieces of one hundred pounds or less. These pieces were then crushed by power directly applied. If a concentrating mill, planned to treat five or six thousand tons per day, were to be operated on this basis the investment in crushers and the supply of power would be enormous, to say nothing of the risk of frequent breekdowns by reason of multiplicity of machinery and parts.

From a consideration of these facts, and with his usual tendency to upset traditional observances, Edison conceived the bold idea of constructing gigantic rolls which, by the force of momentum, would be espable of orushing individual rocks of vastly greater size than ever before attempted." + + + + + + + + + He proposed to eliminate the slow and expensive method of breaking large boulders manually and to substitute therefor momentum and kinetic energy applied through the medium of massive machinery which, in a few seconds, would breek into small pieces a rook as big as an ordinary outday pinne and weighing as much as six tons. Engineers to whom Edison communicated his ideas were unanimous in declaring the thing an impossibility; that it was like driving two express trains into each other at full speed to crack a great rock placed between them; that no practical machinery could be built to stand the terrific impact and strains. Edison's convictions were strong, however, and he persisted."

Judge Hazel in referring to the patents under consideration and in setting forth a judicial review of Edison's accomplishment, said:

"Mr. Edison's object was to devise a method by which massive rook or boulder when taken from their bed could be instantaneously orushed or broken into pieces at the least possible expense by the blows of large projections on the rollers and thus to climinate the hand sledging or blasting of the prior art. To accomplish his object it was necessary that the rollers correspond in weight and strength to the size of the material to be broken up. He believed it possible to use the energy and force generated by the inertia of revolving objects. The problem was how to apply such energy to assist in the crushing operation. Kinetic energy is the term by which such force and power is technically known. The skilled engineer knew that a heavy rotating technically known. object contained stored power and energy component with it, and on the adaptation of such force and power for breaking and crushing large rock, it will be comprehended that if such energy could be practically used an achievement of great sconomic value and senerit in this art would result. It was necessary to design and construct machinery and rollers of a peculiar kind together with facilities for placing and using them in accordance with the modus operandi specified in the patents in suit. The patentee surmounted all obstacles and the record shows there were many. He was the first to evolve a crusher by which kinetic energy became a potential factor in the method of crushing and breaking rock by blows from the knobs on rollers. It scarcely can be doubted that his inventions are meritorious and involve in their organization and perfection patentable skill of a high order."

The Court then refers to the claims of the two patents, one covering broadly the method involved in crushing rock by kinetic energy and the other relating to the apparatus employing the two massive rolls which are so driven as to permit the crushing and breaking to take place. It was urged in defense of the suit that crushing rolls of much smaller size had been used, generally geared together, and that no invention would be required to increase the size and weight of such rolls and to dispense with the gear so as to permit the rolls to operate independently. Concerning this defense, Judge Hazel said:

"A number of patents for crushers inving rollers are claimed by defendants to anticipate and limit the claims in controversy, but such patents are inapplicable. To bring register and adapt in dismessions, iron rollers of such large proportions emclosed in a frame and providing means for predictably storing kinetic energy and not was invention of the highest merit. It was not simply a question of changing the proportion, size or shape of the rolls. Her and novel additions in crushing apparatus

were made. The prior crushing or pressing rolls contained no helpful suggestions to the patentee as to the manner of using kinetic energy to instantaneously fracture heavy rook. Although the prior art shows crushing rolls with irregular surfaces, was prior are shows crushing rolls wan irregular surfaces, yet such rolls were geared together and were not driven by a belt in opposite directions. They were inequable of delivering blows to powerful rock masses. Indeed there is a total absence in the prior art of the use of kinetic energy to secure the surface that the prior art of the use of kinetic energy to secure the surface that the prior art of the use of kinetic energy to secure the surface that the prior art of the use of kinetic energy to secure the surface that the prior art of the use of kinetic energy to secure the surface that the prior art of the use of kinetic energy to secure the surface that the prior art of the use of kinetic energy to the surface that the prior art of the use of the prior are the prior and the prior are the prior ar invention." + + + + + + + + In the prior art there is not disclosed any method or apparatus for breaking rock by the medium of crushing rolls which re provided with knobs or projections and are driven by belting. They were provided in most instances with teeth or by Deltains. They were provided in motor instances with edeth of projections on the rolls which were general operator in or their function was to compress, jinch or pick the natural to separate the project to deltain the separate the project of project to separate the project of the deltain of the control of the separate the project of the separate that the separate the project of the separate that the se me graving agent apparently performed the work of grading amsterial while in the patents under consideration there is a elitinot depurture, the material being wholly crushed or broken by the energy of the knobs on the rolls. Although some of the separate objects of the claims in controversy were old and are found in the prior apparatuses, yet such old elements had never before been assembled or combined to use power stored in the rolls to break or crush rock nor prior to the inventions in suit had such rock been broken or erushed by hemmer blows from projections on the rolls driven by belt and rotating in opposite directions. * * * * * * * It is not enough to select separate elements from different devices and then without making any patentable change or improvement insist, as do the defendant, that the patented structure might have been similarly constructed. The claims are entitled tosuch a fair construction as will preserve to the inventor the fruits of his discovery."

The defendants' structure was precitically a copy of the Edison rolls, and the Court therefore had no difficulty in promptly deciding them to be an infringement. On this subject the Court said:

who summarize, the defendants rolls in operation are substantially the same as those of complainant, having a like capacity for crushing rolls dumped upon the rolls and in their operations material be functions of the patents in suit and achieve the same roult. The method patent describes the mode of treatment of the rock by which it may be shattered and the series of steps to be taken in the transforming process.

The combination of elements by which the splendid results of practice rock by blows due to the use of kinetic structures were stained undoubtedly involves the exercise of invention as distinguishock from sechanical skill. The prior art neither suggested the patentse's method nor the apparatus by which the work could be done.

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